M00146.AR.005626
MCAS CHERRY POINT
5090.3a

FINAL CENTRAL GROUNDWATER PLUME FEASIBILITY STUDY OPERABLE UNIT (OU) 1 PART 4 OF 4 MCAS CHERRY POINT NC

08/01/2011

CH2M HILL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109914
Sample Volume :	5	Lab File ID :	A64089.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

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Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109914
Sample Volume :	5	Lab File ID :	A64089.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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Case No. :		SDG NO :	905070
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Sample Volume :	5	Lab File ID :	A64089.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64089.D
Acq On : 21 May 2009 3:25 am
Operator : SM
Sample : BLK
Misc : BLK
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 22 14:30:01 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.553	96	510744	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	4.676	114	416212	50.00	ug/L	0.00
59) Chlorobenzene-d5	7.779	117	376517	50.00	ug/L	0.00
System Monitoring Compounds						
40) 1,2-Dichloroethane-d4	4.302	65	177062	55.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.08%			
54) Toluene-d8	6.142	98	481296	50.56	ug/L	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.12%			
76) 4-Bromofluorobenzene	8.881	95	194685	53.29	ug/L	0.00
Spiked Amount 50.000	Range 75 - 120		Recovery = 106.58%			
92) 1,2-Dichlorobenzene-d4	10.085	152	171261	49.31	ug/L	0.00
Spiked Amount 50.000	Range 64 - 132		Recovery = 98.62%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64089.D
Acq On : 21 May 2009 3:25 am
Operator : SM
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Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
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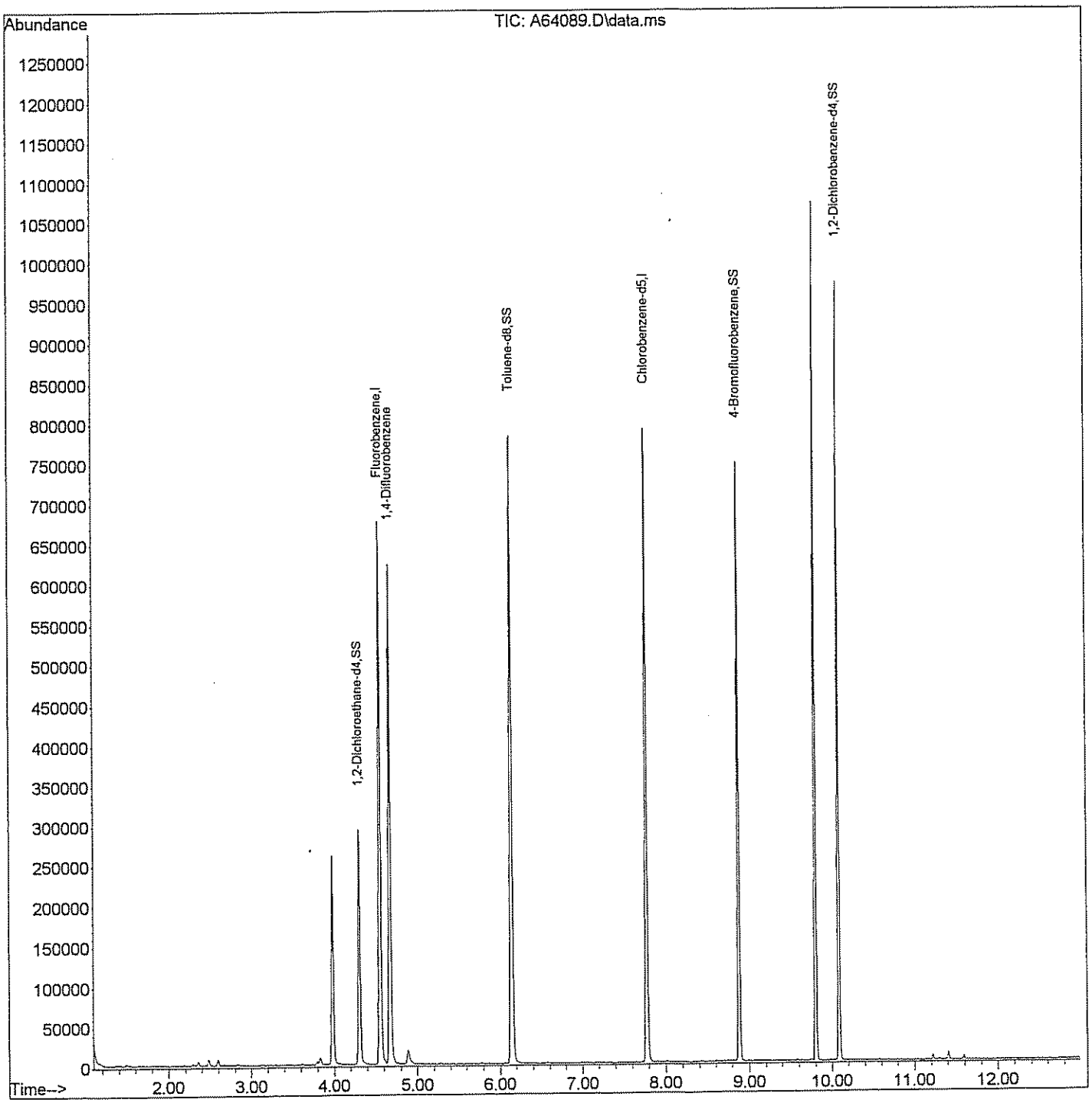

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3MS
Sample Volume :	5	Lab File ID :	A64063.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	53	
71-55-6	1,1,1-Trichloroethane	54	
79-34-5	1,1,2,2-Tetrachloroethane	50	
79-00-5	1,1,2-Trichloroethane	50	
75-34-3	1,1-Dichloroethane	52	
75-35-4	1,1-Dichloroethene	49	
563-58-6	1,1-Dichloropropene	50	
87-61-6	1,2,3-Trichlorobenzene	48	
96-18-4	1,2,3-Trichloropropane	57	
120-82-1	1,2,4-Trichlorobenzene	46	
95-63-6	1,2,4-Trimethylbenzene	50	
96-12-8	1,2-Dibromo-3-Chloropropane	56	
106-93-4	1,2-Dibromoethane	56	
95-50-1	1,2-Dichlorobenzene	49	
107-06-2	1,2-Dichloroethane	52	
78-87-5	1,2-Dichloropropane	54	
108-67-8	1,3,5-trimethylbenzene	52	
541-73-1	1,3-Dichlorobenzene	47	
142-28-9	1,3-Dichloropropane	52	
106-46-7	1,4-Dichlorobenzene	48	
594-20-7	2,2-Dichloropropane	46	
78-93-3	2-Butanone	92	
95-49-8	2-Chlorotoluene	48	
591-78-6	2-Hexanone	100	
106-43-4	4-Chlorotoluene	48	
99-87-6	4-Isopropyltoluene	52	
108-10-1	4-Methyl-2-Pentanone	110	
67-64-1	Acetone	64	
71-43-2	Benzene	42	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3MS
Sample Volume :	5	Lab File ID :	A64063.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	51	
74-97-5	Bromochloromethane	44	
75-27-4	Bromodichloromethane	55	
75-25-2	Bromoform	57	
74-83-9	Bromomethane	33	
75-15-0	Carbon Disulfide	38	
56-23-5	Carbon Tetrachloride	56	
108-90-7	Chlorobenzene	50	
75-00-3	Chloroethane	42	
67-66-3	Chloroform	41	
74-87-3	Chloromethane	68	
110-82-7	Cyclohexane	67	
124-48-1	Dibromochloromethane	56	
74-95-3	Dibromomethane	48	
75-71-8	Dichlorodifluoromethane	190	
100-41-4	Ethylbenzene	52	
76-13-1	Freon 113	63	
87-68-3	Hexachlorobutadiene	50	
98-82-8	Isopropylbenzene	54	
79-20-9	Methyl Acetate	48	
108-87-2	Methylcyclohexane	63	
75-09-2	Methylene Chloride	43	
91-20-3	Naphthalene	51	
135-98-8	Sec-Butylbenzene	53	
100-42-5	Styrene	51	
127-18-4	Tetrachloroethylene	55	
108-88-3	Toluene	50	
79-01-6	Trichloroethene	52	
75-69-4	Trichlorofluoromethane	64	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3MS
Sample Volume :	5	Lab File ID :	A64063.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	30	
75-01-4	Vinyl Chloride	73	
156-59-2	cis-1,2-Dichloroethene	51	
10061-01-5	cis-1,3-Dichloropropene	50	
136777-61-2	m,p-Xylene	100	
104-51-8	n-Butylbenzene	52	
103-65-1	n-Propylbenzene	52	
95-47-6	o-Xylene	52	
98-06-6	tert-Butylbenzene	52	
1634-04-4	tert-butyl methyl ether	52	
156-60-5	trans-1,2-dichloroethene	48	
10061-02-6	trans-1,3-dichloropropene	50	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64063.D
Acq On : 20 May 2009 6:45 pm
Operator : SM
Sample : 905068-003MS
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 07:48:33 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.553	96	494710	50.00 ug/L	0.00
41) 1,4-Difluorobenzene	4.676	114	406094	50.00 ug/L	0.00
59) Chlorobenzene-d5	7.774	117	366311	50.00 ug/L	0.00
System Monitoring Compounds					
40) 1,2-Dichloroethane-d4	4.302	65	169343	54.35 ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 108.70%		
54) Toluene-d8	6.137	98	472021	50.82 ug/L	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.64%		
76) 4-Bromofluorobenzene	8.881	95	191857	53.98 ug/L	0.00
Spiked Amount 50.000	Range 75 - 120		Recovery = 107.96%		
92) 1,2-Dichlorobenzene-d4	9.801	152	183281	54.24 ug/L	-0.28
Spiked Amount 50.000	Range 64 - 132		Recovery = 108.48%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.183	85	201027	192.05 ug/L	96
3) Chloromethane	1.333	50	199302	68.18 ug/L	97
4) Vinyl chloride	1.392	62	213429	72.70 ug/L	97
5) Bromomethane	1.622	94	62046	32.72 ug/L	96
6) Chloroethane	1.691	64	94402	42.53 ug/L	99
7) Trichlorofluoromethane	1.836	101	260524	64.25 ug/L	99
8) Ethyl Ether	2.044	59	146090	55.72 ug/L	94
9) Freon 113	2.178	101	138648	63.14 ug/L	96
10) Acrolein	2.189	56	167321	303.87 ug/L	97
11) Tert-Butyl alcohol	2.665	59	361472	1161.70 ug/L #	47
12) 1,1-Dichloroethene	2.205	96	138947	49.24 ug/L	83
13) Iodomethane	2.333	142	94570	43.83 ug/L	94
14) Acetonitrile	2.478	40	501180	279.44 ug/L #	1
15) Methylene chloride	2.590	84	127287	42.63 ug/L	83
16) Trans-1,2-dichloroethene	2.751	96	132711	47.60 ug/L	87
17) Isopropyl ether	3.088	45	623020	57.59 ug/L	94
18) 1,1-Dichloroethane	3.104	63	299916	51.62 ug/L	97
19) Acetone	2.296	43	102062	64.02 ug/L	98
20) Methyl Acetate	2.504	43	238163	47.81 ug/L #	100
21) MTBE	2.734	73	433449	52.00 ug/L	100
22) Carbon disulfide	2.355	76	351075	38.46 ug/L	100
24) Acrylonitrile	2.831	53	291491	294.40 ug/L	99
25) Chloroprene	3.146	53	302365	61.67 ug/L	90
27) 2,2-Dichloropropane	3.548	77	205513	46.43 ug/L	85
28) Cis-1,2-dichloroethene	3.574	96	167316	50.71 ug/L #	71
29) 1,2-dichloroethene(total)	3.574	96	302152m	94.02 ug/L	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64063.D
Acq On : 20 May 2009 6:45 pm
Operator : SM
Sample : 905068-003MS
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 07:48:33 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
30) Propionitrile	3.735	54	288803	636.00 ug/L	99
31) Bromochloromethane	3.778	128	77253	44.00 ug/L #	72
32) Tetrahydrofuran	3.788	72	40161	43.86 ug/L #	22
33) Chloroform	3.837	83	258537	41.35 ug/L	99
34) Cyclohexane	3.933	56	334169	67.18 ug/L #	89
35) 1,1,1-Trichloroethane	3.954	97	237896	54.37 ug/L	98
36) Carbon tetrachloride	4.061	117	216487	55.65 ug/L	99
37) Methacrylonitrile	3.826	41	1248128	441.02 ug/L #	22
38) Methylcyclohexane	4.987	83	269642	63.16 ug/L	90
39) Isobutyl Alcohol	4.259	43	171995	1054.60 ug/L	92
42) 2-Butanone	3.612	43	213282	92.39 ug/L	99
43) 1,1-Dichloropropene	4.099	75	196195	49.82 ug/L	92
44) Vinyl Acetate	3.130	43	228124	30.31 ug/L	99
45) Benzene	4.281	78	536429	42.27 ug/L	100
46) 1,2-Dichloroethane	4.371	62	231145	51.97 ug/L	98
47) Trichloroethene	4.880	95	151600	51.96 ug/L	96
48) 1,2-Dichloropropane	5.158	63	172289	54.01 ug/L	99
49) Methyl methacrylate	5.260	69	118013	50.64 ug/L	97
50) Dibromomethane	5.281	93	87298	48.00 ug/L	97
51) Bromodichloromethane	5.425	83	212374	55.26 ug/L	100
52) 2-Chloroethylvinyl ether	6.212	63	55131	36.61 ug/L #	49
53) Cis-1,3-dichloropropene	5.912	75	260307	50.56 ug/L	95
55) Toluene	6.212	92	368518	50.56 ug/L	97
56) Trans-1,3-dichloropropene	6.565	75	240774	50.45 ug/L	95
57) Ethyl methacrylate	6.618	69	217612	52.56 ug/L	97
58) 1,1,2-Trichloroethane	6.768	83	114337	50.32 ug/L	83
60) 4-Methyl-2-pentanone	6.089	43	409866	110.97 ug/L	94
61) 2-Hexanone	7.057	43	290624	104.87 ug/L	94
62) Tetrachloroethene	6.790	166	168869	55.28 ug/L	97
63) 1,3-Dichloropropane	6.966	76	228842	51.80 ug/L	89
64) Dibromochloromethane	7.180	129	151423	55.82 ug/L	97
65) 1,2-Dibromoethane	7.314	107	137662	55.73 ug/L	98
66) 1-Chlorohexane	7.785	91	225804	51.99 ug/L	89
67) Chlorobenzene	7.806	112	415682	49.99 ug/L	98
68) 1,1,1,2-Tetrachloroethane	7.902	131	156284	52.69 ug/L	99
69) Ethylbenzene	7.897	91	766747	52.45 ug/L	97
70) m,p-Xylene	8.020	106	586484	102.60 ug/L	99
71) o-Xylene	8.389	106	277741	51.66 ug/L	97
72) Xylene (Total)	8.020	106	865250m	150.53 ug/L	
73) Styrene	8.416	104	477372	51.31 ug/L #	86
74) Bromoform	8.592	173	120036	57.16 ug/L	97
75) Isopropylbenzene	8.710	105	748233	53.75 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64063.D
Acq On : 20 May 2009 6:45 pm
Operator : SM
Sample : 905068-003MS
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 07:48:33 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

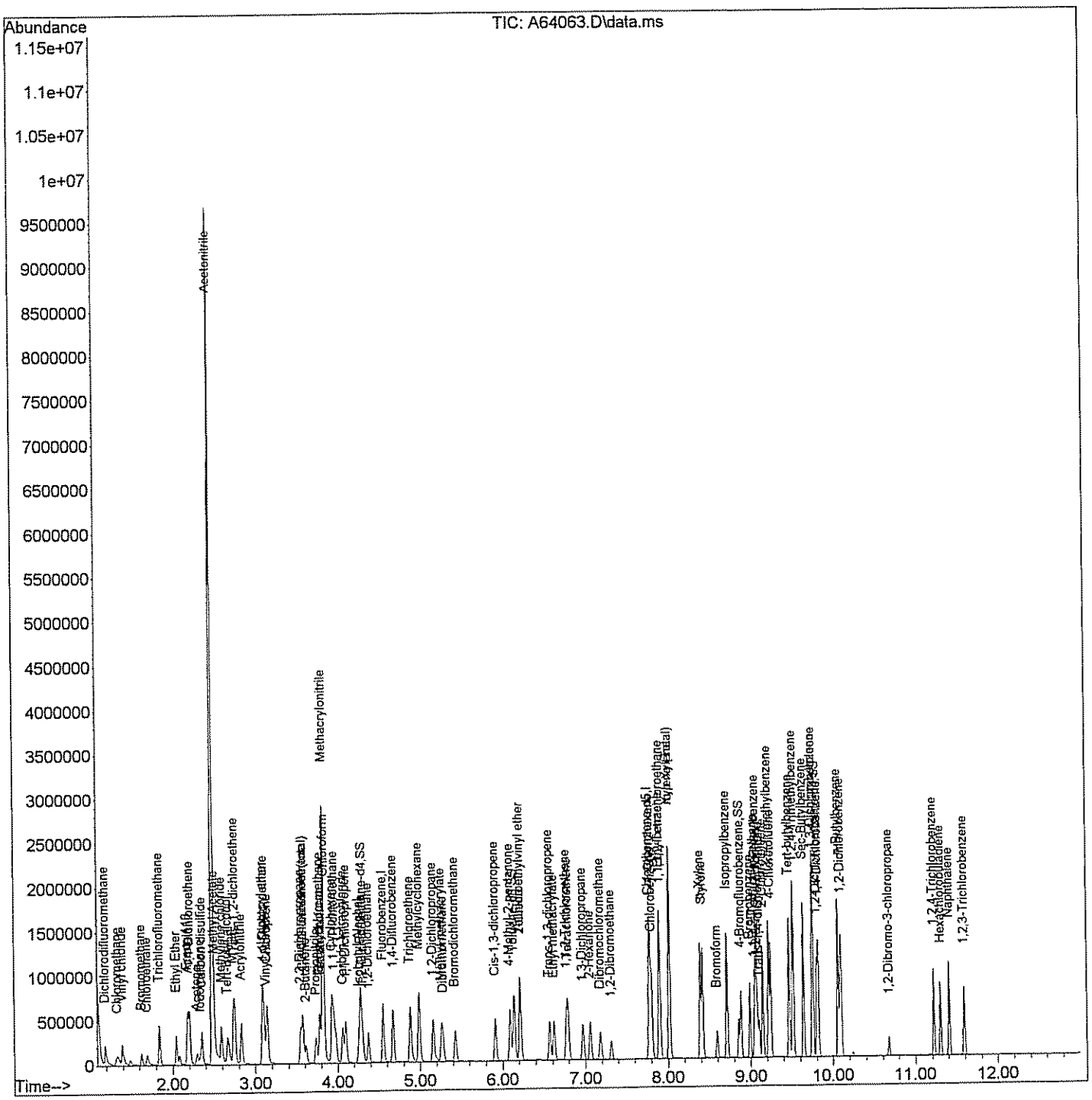
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
77) Bromobenzene	8.988	156	170004	50.71 ug/L	97
78) 1,1,2,2-Tetrachloroethane	9.047	83	177873	49.84 ug/L	96
79) 1,2,3-Trichloropropane	9.079	110	58253	57.12 ug/L	97
80) n-Propylbenzene	9.063	91	927343	52.29 ug/L	97
81) Trans-1,4-dichloro-2-b...	9.106	53	72019	51.45 ug/L #	25
82) 2-Chlorotoluene	9.149	126	163938	47.51 ug/L	99
83) 4-Chlorotoluene	9.245	126	171241	48.39 ug/L	83
84) 1,3,5-Trimethylbenzene	9.218	105	620555	52.01 ug/L	99
85) Tert-butylbenzene	9.464	119	535506	52.49 ug/L	98
87) 1,2,4-Trimethylbenzene	9.518	105	625080	49.58 ug/L	99
88) Sec-Butylbenzene	9.636	105	844760	53.47 ug/L	100
89) 1,3-Dichlorobenzene	9.743	146	335542	47.41 ug/L	98
90) 4-Isopropyltoluene	9.753	119	696809	51.97 ug/L	100
91) 1,4-Dichlorobenzene	9.817	146	350476	47.75 ug/L	98
93) 1,2-Dichlorobenzene	10.096	146	317756	48.86 ug/L	99
94) n-Butylbenzene	10.058	91	686948	52.44 ug/L	99
95) 1,2-Dibromo-3-chloropr...	10.679	75	39596	55.84 ug/L	90
96) 1,2,4-Trichlorobenzene	11.219	180	209326	46.04 ug/L	99
97) Hexachlorobutadiene	11.305	225	119729	49.97 ug/L	98
98) Naphthalene	11.406	128	596555	50.76 ug/L	100
99) 1,2,3-Trichlorobenzene	11.594	180	191832	47.68 ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64063.D
Acq On : 20 May 2009 6:45 pm
Operator : SM
Sample : 905068-003MS
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 07:48:33 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3MSD
Sample Volume :	5	Lab File ID :	A64065.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	53	
71-55-6	1,1,1-Trichloroethane	56	
79-34-5	1,1,2,2-Tetrachloroethane	51	
79-00-5	1,1,2-Trichloroethane	52	
75-34-3	1,1-Dichloroethane	53	
75-35-4	1,1-Dichloroethene	50	
563-58-6	1,1-Dichloropropene	50	
87-61-6	1,2,3-Trichlorobenzene	48	
96-18-4	1,2,3-Trichloropropane	59	
120-82-1	1,2,4-Trichlorobenzene	48	
95-63-6	1,2,4-Trimethylbenzene	51	
96-12-8	1,2-Dibromo-3-Chloropropane	58	
106-93-4	1,2-Dibromoethane	56	
95-50-1	1,2-Dichlorobenzene	50	
107-06-2	1,2-Dichloroethane	54	
78-87-5	1,2-Dichloropropane	56	
108-67-8	1,3,5-trimethylbenzene	54	
541-73-1	1,3-Dichlorobenzene	50	
142-28-9	1,3-Dichloropropane	54	
106-46-7	1,4-Dichlorobenzene	49	
594-20-7	2,2-Dichloropropane	47	
78-93-3	2-Butanone	94	
95-49-8	2-Chlorotoluene	48	
591-78-6	2-Hexanone	110	
106-43-4	4-Chlorotoluene	50	
99-87-6	4-Isopropyltoluene	53	
108-10-1	4-Methyl-2-Pentanone	110	
67-64-1	Acetone	64	
71-43-2	Benzene	43	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3MSD
Sample Volume :	5	Lab File ID :	A64065.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	52	
74-97-5	Bromochloromethane	46	
75-27-4	Bromodichloromethane	58	
75-25-2	Bromoform	57	
74-83-9	Bromomethane	36	
75-15-0	Carbon Disulfide	39	
56-23-5	Carbon Tetrachloride	58	
108-90-7	Chlorobenzene	51	
75-00-3	Chloroethane	46	
67-66-3	Chloroform	42	
74-87-3	Chloromethane	80	
110-82-7	Cyclohexane	69	
124-48-1	Dibromochloromethane	57	
74-95-3	Dibromomethane	49	
75-71-8	Dichlorodifluoromethane	190	
100-41-4	Ethylbenzene	53	
76-13-1	Freon 113	66	
87-68-3	Hexachlorobutadiene	51	
98-82-8	Isopropylbenzene	55	
79-20-9	Methyl Acetate	47	
108-87-2	Methylcyclohexane	65	
75-09-2	Methylene Chloride	44	
91-20-3	Naphthalene	51	
135-98-8	Sec-Butylbenzene	55	
100-42-5	Styrene	52	
127-18-4	Tetrachloroethylene	56	
108-88-3	Toluene	52	
79-01-6	Trichloroethene	52	
75-69-4	Trichlorofluoromethane	65	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3MSD
Sample Volume :	5	Lab File ID :	A64065.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	30	
75-01-4	Vinyl Chloride	74	
156-59-2	cis-1,2-Dichloroethene	52	
10061-01-5	cis-1,3-Dichloropropene	52	
136777-61-2	m,p-Xylene	100	
104-51-8	n-Butylbenzene	53	
103-65-1	n-Propylbenzene	53	
95-47-6	o-Xylene	53	
98-06-6	tert-Butylbenzene	54	
1634-04-4	tert-butyl methyl ether	54	
156-60-5	trans-1,2-dichloroethene	49	
10061-02-6	trans-1,3-dichloropropene	52	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64065.D
Acq On : 20 May 2009 7:25 pm
Operator : SM
Sample : 905068-003MSD
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 07:56:00 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.553	96	501397	50.00 ug/L	0.00
41) 1,4-Difluorobenzene	4.676	114	413717	50.00 ug/L	0.00
59) Chlorobenzene-d5	7.774	117	373706	50.00 ug/L	0.00
System Monitoring Compounds					
40) 1,2-Dichloroethane-d4	4.302	65	175234	55.49 ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.98%		
54) Toluene-d8	6.142	98	471259	49.81 ug/L	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.62%		
76) 4-Bromofluorobenzene	8.881	95	193874	53.47 ug/L	0.00
Spiked Amount 50.000	Range 75 - 120		Recovery = 106.94%		
92) 1,2-Dichlorobenzene-d4	9.801	152	188457	54.67 ug/L	-0.28
Spiked Amount 50.000	Range 64 - 132		Recovery = 109.34%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.188	85	200247	188.75 ug/L	97
3) Chloromethane	1.327	50	238478	80.50 ug/L	98
4) Vinyl chloride	1.392	62	220591	74.13 ug/L	99
5) Bromomethane	1.622	94	69182	36.00 ug/L	100
6) Chloroethane	1.691	64	103246	45.89 ug/L	99
7) Trichlorofluoromethane	1.841	101	269045	65.47 ug/L	99
8) Ethyl Ether	2.044	59	150708	56.71 ug/L	91
9) Freon 113	2.178	101	146914	66.01 ug/L	94
10) Acrolein	2.189	56	169151	303.10 ug/L	98
11) Tert-Butyl alcohol	2.665	59	369735	1172.41 ug/L #	47
12) 1,1-Dichloroethene	2.210	96	142238	49.74 ug/L	80
13) Iodomethane	2.333	142	101455	46.39 ug/L	99
14) Acetonitrile	2.483	40	528867	290.94 ug/L #	1
15) Methylene chloride	2.590	84	133333	44.03 ug/L	83
16) Trans-1,2-dichloroethene	2.756	96	138787	49.12 ug/L	86
17) Isopropyl ether	3.093	45	642677	58.62 ug/L	94
18) 1,1-Dichloroethane	3.109	63	314608	53.43 ug/L	96
19) Acetone	2.296	43	104223	64.48 ug/L	98
20) Methyl Acetate	2.504	43	238941	47.33 ug/L #	100
21) MTBE	2.740	73	459035	54.33 ug/L	100
22) Carbon disulfide	2.355	76	359016	38.79 ug/L	100
24) Acrylonitrile	2.831	53	298395	297.35 ug/L	99
25) Chloroprene	3.146	53	317797	63.95 ug/L	89
27) 2,2-Dichloropropane	3.553	77	212481	47.36 ug/L	89
28) Cis-1,2-dichloroethene	3.574	96	173280	51.82 ug/L #	72
29) 1,2-dichloroethene(total)	3.574	96	314686m	96.61 ug/L	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64065.D
Acq On : 20 May 2009 7:25 pm
Operator : SM
Sample : 905068-003MSD
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 07:56:00 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
30) Propionitrile	3.735	54	300137	652.15 ug/L	99
31) Bromochloromethane	3.783	128	82788	46.53 ug/L	78
32) Tetrahydrofuran	3.788	72	41331	44.53 ug/L #	22
33) Chloroform	3.836	83	268042	42.30 ug/L	99
34) Cyclohexane	3.933	56	346585	68.74 ug/L #	87
35) 1,1,1-Trichloroethane	3.954	97	249706	56.30 ug/L	97
36) Carbon tetrachloride	4.061	117	227662	57.74 ug/L	100
37) Methacrylonitrile	3.826	41	1293577	450.99 ug/L #	22
38) Methylcyclohexane	4.992	83	281571	65.07 ug/L	90
39) Isobutyl Alcohol	4.259	43	175035	1058.93 ug/L	95
42) 2-Butanone	3.612	43	221492	94.18 ug/L	99
43) 1,1-Dichloropropene	4.099	75	200167	49.89 ug/L	93
44) Vinyl Acetate	3.136	43	231066	30.11 ug/L	99
45) Benzene	4.280	78	558153	43.18 ug/L	100
46) 1,2-Dichloroethane	4.371	62	243077	53.64 ug/L	98
47) Trichloroethene	4.880	95	156254	52.57 ug/L	94
48) 1,2-Dichloropropane	5.158	63	180994	55.70 ug/L	98
49) Methyl methacrylate	5.259	69	125728	52.96 ug/L	98
50) Dibromomethane	5.281	93	90231	48.70 ug/L	100
51) Bromodichloromethane	5.431	83	225928	57.71 ug/L	100
52) 2-Chloroethylvinyl ether	6.212	63	56992	36.95 ug/L #	49
53) Cis-1,3-dichloropropene	5.912	75	273552	52.15 ug/L	96
55) Toluene	6.212	92	386714	52.07 ug/L	100
56) Trans-1,3-dichloropropene	6.565	75	254660	52.37 ug/L	97
57) Ethyl methacrylate	6.618	69	220120	52.18 ug/L	95
58) 1,1,2-Trichloroethane	6.768	83	120538m	52.07 ug/L	
60) 4-Methyl-2-pentanone	6.089	43	428230	113.65 ug/L	93
61) 2-Hexanone	7.057	43	303861	107.48 ug/L	94
62) Tetrachloroethene	6.790	166	173970	55.82 ug/L	95
63) 1,3-Dichloropropane	6.971	76	244267	54.20 ug/L	87
64) Dibromochloromethane	7.180	129	157292	56.84 ug/L	99
65) 1,2-Dibromoethane	7.314	107	142136	56.40 ug/L	100
66) 1-Chlorohexane	7.785	91	232103	52.38 ug/L	88
67) Chlorobenzene	7.806	112	431017	50.81 ug/L	99
68) 1,1,1,2-Tetrachloroethane	7.908	131	159208	52.61 ug/L	100
69) Ethylbenzene	7.897	91	792686	53.15 ug/L	97
70) m,p-Xylene	8.020	106	607523	104.18 ug/L	99
71) o-Xylene	8.389	106	288832	52.66 ug/L	97
72) Xylene (Total)	8.020	106	896973m	152.96 ug/L	
73) Styrene	8.421	104	493711	52.02 ug/L	87
74) Bromoform	8.598	173	122769	57.30 ug/L	99
75) Isopropylbenzene	8.715	105	783627	55.18 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64065.D
Acq On : 20 May 2009 7:25 pm
Operator : SM
Sample : 905068-003MSD
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 07:56:00 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

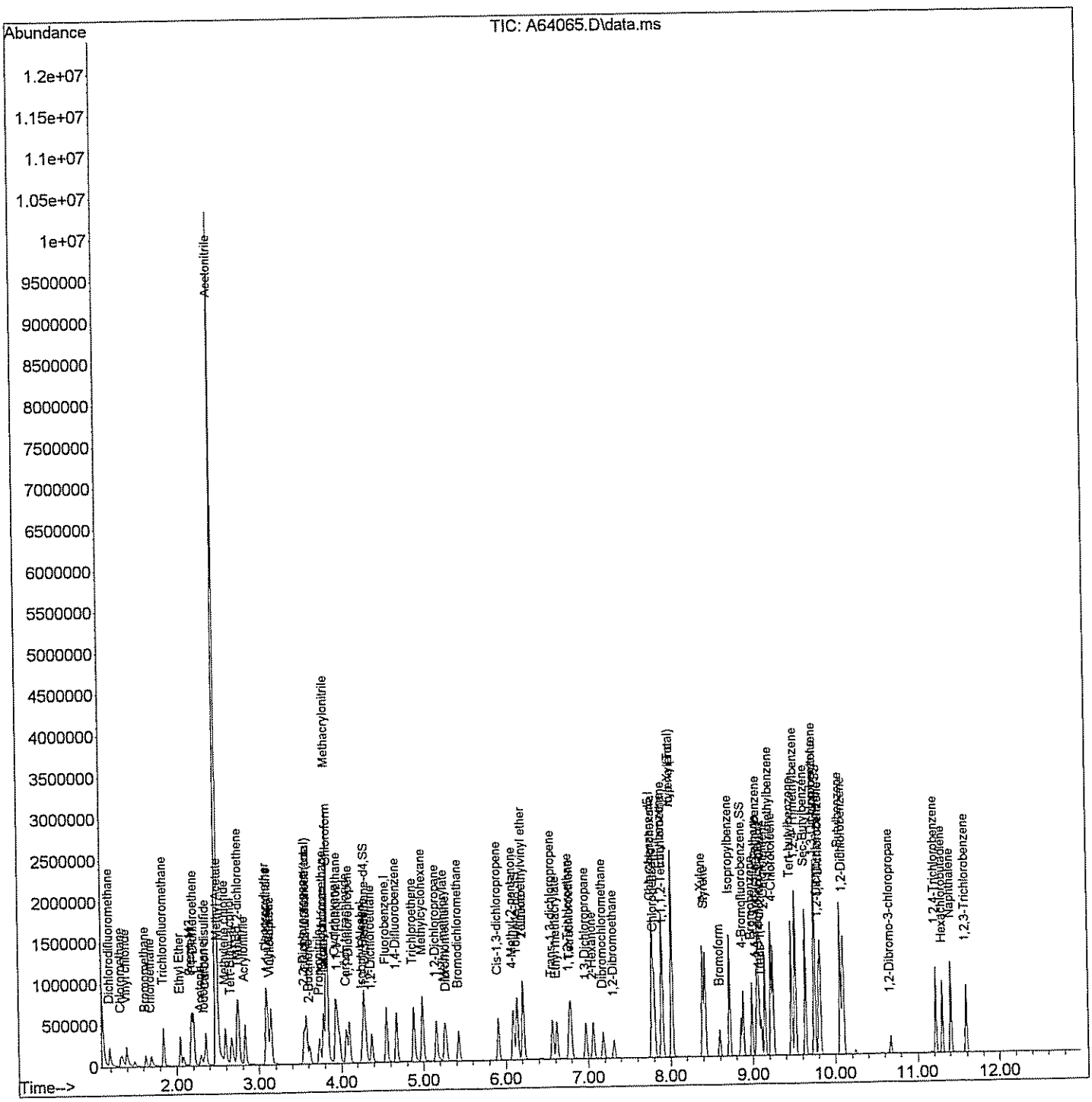
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
77) Bromobenzene	8.988	156	176997	51.75 ug/L	98
78) 1,1,2,2-Tetrachloroethane	9.047	83	185298	50.89 ug/L	97
79) 1,2,3-Trichloropropane	9.085	110	61525	59.13 ug/L	98
80) n-Propylbenzene	9.063	91	963251	53.24 ug/L	98
81) Trans-1,4-dichloro-2-b...	9.106	53	76604	53.64 ug/L #	24
82) 2-Chlorotoluene	9.149	126	171019	48.59 ug/L	97
83) 4-Chlorotoluene	9.245	126	179479	49.72 ug/L	84
84) 1,3,5-Trimethylbenzene	9.218	105	654891	53.80 ug/L	99
85) Tert-butylbenzene	9.464	119	559971	53.81 ug/L	98
87) 1,2,4-Trimethylbenzene	9.518	105	661397	51.43 ug/L	100
88) Sec-Butylbenzene	9.636	105	890475	55.25 ug/L	99
89) 1,3-Dichlorobenzene	9.743	146	359316	49.76 ug/L	99
90) 4-Isopropyltoluene	9.753	119	722274	52.80 ug/L	99
91) 1,4-Dichlorobenzene	9.817	146	367259	49.04 ug/L	99
93) 1,2-Dichlorobenzene	10.096	146	335154	50.51 ug/L	99
94) n-Butylbenzene	10.058	91	707537	52.94 ug/L	98
95) 1,2-Dibromo-3-chloropr...	10.673	75	42008	58.07 ug/L	98
96) 1,2,4-Trichlorobenzene	11.219	180	220397	47.52 ug/L	100
97) Hexachlorobutadiene	11.305	225	124266	50.83 ug/L	95
98) Naphthalene	11.406	128	614815	51.28 ug/L	100
99) 1,2,3-Trichlorobenzene	11.594	180	196652	47.91 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64065.D
Acq On : 20 May 2009 7:25 pm
Operator : SM
Sample : 905068-003MSD
Misc : OU1-16GW49-0509,CH2M HILL,WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 07:56:00 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109913
Sample Volume :	5	Lab File ID :	A64055.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	
71-55-6	1,1,1-Trichloroethane	51	
79-34-5	1,1,2,2-Tetrachloroethane	43	
79-00-5	1,1,2-Trichloroethane	48	
75-34-3	1,1-Dichloroethane	50	
75-35-4	1,1-Dichloroethene	45	
563-58-6	1,1-Dichloropropene	46	
87-61-6	1,2,3-Trichlorobenzene	45	
96-18-4	1,2,3-Trichloropropane	47	
120-82-1	1,2,4-Trichlorobenzene	45	
95-63-6	1,2,4-Trimethylbenzene	49	
96-12-8	1,2-Dibromo-3-Chloropropane	43	
106-93-4	1,2-Dibromoethane	51	
95-50-1	1,2-Dichlorobenzene	48	
107-06-2	1,2-Dichloroethane	51	
78-87-5	1,2-Dichloropropane	54	
108-67-8	1,3,5-trimethylbenzene	51	
541-73-1	1,3-Dichlorobenzene	47	
142-28-9	1,3-Dichloropropane	49	
106-46-7	1,4-Dichlorobenzene	48	
594-20-7	2,2-Dichloropropane	46	
78-93-3	2-Butanone	72	
95-49-8	2-Chlorotoluene	46	
591-78-6	2-Hexanone	78	
106-43-4	4-Chlorotoluene	47	
99-87-6	4-Isopropyltoluene	50	
108-10-1	4-Methyl-2-Pentanone	86	
67-64-1	Acetone	58	
71-43-2	Benzene	42	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109913
Sample Volume :	5	Lab File ID :	A64055.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	50	
74-97-5	Bromochloromethane	42	
75-27-4	Bromodichloromethane	55	
75-25-2	Bromoform	52	
74-83-9	Bromomethane	33	
75-15-0	Carbon Disulfide	38	
56-23-5	Carbon Tetrachloride	52	
108-90-7	Chlorobenzene	49	
75-00-3	Chloroethane	44	
67-66-3	Chloroform	41	
74-87-3	Chloromethane	76	
110-82-7	Cyclohexane	59	
124-48-1	Dibromochloromethane	54	
74-95-3	Dibromomethane	45	
75-71-8	Dichlorodifluoromethane	150	
100-41-4	Ethylbenzene	50	
76-13-1	Freon 113	56	
87-68-3	Hexachlorobutadiene	47	
98-82-8	Isopropylbenzene	52	
79-20-9	Methyl Acetate	38	
108-87-2	Methylcyclohexane	56	
75-09-2	Methylene Chloride	44	
91-20-3	Naphthalene	41	
135-98-8	Sec-Butylbenzene	51	
100-42-5	Styrene	50	
127-18-4	Tetrachloroethylene	51	
108-88-3	Toluene	50	
79-01-6	Trichloroethene	50	
75-69-4	Trichlorofluoromethane	55	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109913
Sample Volume :	5	Lab File ID :	A64055.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	26	
75-01-4	Vinyl Chloride	68	
156-59-2	cis-1,2-Dichloroethene	44	
10061-01-5	cis-1,3-Dichloropropene	50	
136777-61-2	m,p-Xylene	99	
104-51-8	n-Butylbenzene	50	
103-65-1	n-Propylbenzene	50	
95-47-6	o-Xylene	51	
98-06-6	tert-Butylbenzene	50	
1634-04-4	tert-butyl methyl ether	48	
156-60-5	trans-1,2-dichloroethene	45	
10061-02-6	trans-1,3-dichloropropene	48	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64055.D
Acq On : 20 May 2009 3:56 pm
Operator : SM
Sample : BKS
Misc : BKS
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:17:29 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.559	96	521372	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	4.676	114	426791	50.00	ug/L	0.00
59) Chlorobenzene-d5	7.779	117	383264	50.00	ug/L	0.00
System Monitoring Compounds						
40) 1,2-Dichloroethane-d4	4.302	65	177666	54.10	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 108.20%			
54) Toluene-d8	6.142	98	490276	50.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.46%			
76) 4-Bromofluorobenzene	8.881	95	200990	54.05	ug/L	0.00
Spiked Amount 50.000	Range 75 - 120		Recovery = 108.10%			
92) 1,2-Dichlorobenzene-d4	9.801	152	191552	54.18	ug/L	-0.28
Spiked Amount 50.000	Range 64 - 132		Recovery = 108.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.194	85	165813	150.31	ug/L	97
3) Chloromethane	1.333	50	232699	75.54	ug/L	97
4) Vinyl chloride	1.397	62	211347	68.31	ug/L	98
5) Bromomethane	1.627	94	65911	32.98	ug/L	98
6) Chloroethane	1.697	64	103318	44.16	ug/L	98
7) Trichlorofluoromethane	1.846	101	236683	55.39	ug/L	99
8) Ethyl Ether	2.044	59	145859	52.78	ug/L	91
9) Freon 113	2.183	101	130186	56.25	ug/L	92
10) Acrolein	2.189	56	121008	208.52	ug/L #	92
11) Tert-Butyl alcohol	2.665	59	193813	591.02	ug/L #	47
12) 1,1-Dichloroethene	2.210	96	134991	45.39	ug/L	83
13) Iodomethane	2.339	142	183272	80.60	ug/L	97
14) Acetonitrile	2.483	40	523206	276.80	ug/L #	1
15) Methylene chloride	2.595	84	138331	43.93	ug/L	84
16) Trans-1,2-dichloroethene	2.756	96	132229	45.00	ug/L	84
17) Isopropyl ether	3.093	45	647840	56.83	ug/L	93
18) 1,1-Dichloroethane	3.109	63	305101	49.83	ug/L	97
19) Acetone	2.296	43	97036	58.02	ug/L	97
20) Methyl Acetate	2.504	43	198405	37.79	ug/L #	100
21) MTBE	2.740	73	421541	47.98	ug/L	100
22) Carbon disulfide	2.360	76	362910	37.74	ug/L	100
24) Acrylonitrile	2.836	53	241566	231.50	ug/L	100
25) Chloroprene	3.152	53	294103	56.92	ug/L	90
27) 2,2-Dichloropropane	3.553	77	212433	45.54	ug/L	96
28) Cis-1,2-dichloroethene	3.580	96	154299	44.37	ug/L #	71
29) 1,2-dichloroethene(total)	2.756	96	289486m	85.47	ug/L	

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Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
30) Propionitrile	3.735	54	220980	461.76 ug/L	98
31) Bromochloromethane	3.783	128	78668	42.52 ug/L #	71
32) Tetrahydrofuran	3.788	72	31466	32.60 ug/L #	22
33) Chloroform	3.836	83	268125	40.69 ug/L	100
34) Cyclohexane	3.938	56	309700	59.08 ug/L #	88
35) 1,1,1-Trichloroethane	3.960	97	234701	50.89 ug/L	98
36) Carbon tetrachloride	4.067	117	212516	51.83 ug/L	100
37) Methacrylonitrile	3.826	41	1073096	359.79 ug/L #	21
38) Methylcyclohexane	4.992	83	251887	55.98 ug/L	90
39) Isobutyl Alcohol	4.259	43	92938	540.71 ug/L	94
42) 2-Butanone	3.612	43	175007	72.13 ug/L	99
43) 1,1-Dichloropropene	4.099	75	190923	46.13 ug/L	92
44) Vinyl Acetate	3.136	43	214103	26.44 ug/L	99
45) Benzene	4.281	78	555301	41.64 ug/L	100
46) 1,2-Dichloroethane	4.377	62	236981	50.69 ug/L	100
47) Trichloroethene	4.885	95	152545	49.75 ug/L	94
48) 1,2-Dichloropropane	5.163	63	179454	53.53 ug/L	99
49) Methyl methacrylate	5.265	69	104274	42.57 ug/L	96
50) Dibromomethane	5.281	93	86708	45.37 ug/L	99
51) Bromodichloromethane	5.431	83	223009	55.22 ug/L	100
52) 2-Chloroethylvinyl ether	5.778	63	234251	105.28 ug/L	96
53) Cis-1,3-dichloropropene	5.912	75	268351	49.59 ug/L	98
55) Toluene	6.217	92	380521	49.67 ug/L	100
56) Trans-1,3-dichloropropene	6.570	75	242349	48.31 ug/L	95
57) Ethyl methacrylate	6.618	69	196676	45.20 ug/L	96
58) 1,1,2-Trichloroethane	6.773	83	115181	48.24 ug/L	86
60) 4-Methyl-2-pentanone	6.094	43	332660	86.08 ug/L	97
61) 2-Hexanone	7.062	43	225551	77.79 ug/L	93
62) Tetrachloroethene	6.795	166	163706	51.21 ug/L	98
63) 1,3-Dichloropropane	6.971	76	224734	48.62 ug/L	89
64) Dibromochloromethane	7.180	129	152101	53.59 ug/L	97
65) 1,2-Dibromoethane	7.314	107	130896	50.65 ug/L	99
66) 1-Chlorohexane	7.785	91	215201	47.36 ug/L	88
67) Chlorobenzene	7.806	112	427363	49.12 ug/L	98
68) 1,1,1,2-Tetrachloroethane	7.902	131	155002	49.94 ug/L	98
69) Ethylbenzene	7.897	91	768555	50.25 ug/L	98
70) m,p-Xylene	8.020	106	592377	99.05 ug/L	100
71) o-Xylene	8.394	106	286522	50.93 ug/L	96
72) Xylene (Total)	8.020	106	880239m	146.36 ug/L	
73) Styrene	8.421	104	486685	50.00 ug/L #	86
74) Bromoform	8.598	173	113672	51.73 ug/L	99
75) Isopropylbenzene	8.715	105	754391	51.79 ug/L	96

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Operator : SM
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ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:17:29 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
77) Bromobenzene	8.994	156	174520	49.76 ug/L	97
78) 1,1,2,2-Tetrachloroethane	9.047	83	160387	42.95 ug/L	97
79) 1,2,3-Trichloropropane	9.085	110	50330	47.17 ug/L	95
80) n-Propylbenzene	9.063	91	920966	49.63 ug/L	98
81) Trans-1,4-dichloro-2-b...	9.101	53	56145	38.33 ug/L #	25
82) 2-Chlorotoluene	9.149	126	167691	46.45 ug/L	100
83) 4-Chlorotoluene	9.245	126	175112	47.30 ug/L	83
84) 1,3,5-Trimethylbenzene	9.218	105	634372	50.81 ug/L	99
85) Tert-butylbenzene	9.464	119	533426	49.98 ug/L	98
87) 1,2,4-Trimethylbenzene	9.518	105	646319	49.00 ug/L	100
88) Sec-Butylbenzene	9.636	105	836707	50.62 ug/L	99
89) 1,3-Dichlorobenzene	9.743	146	351652	47.48 ug/L	99
90) 4-Isopropyltoluene	9.753	119	697402	49.71 ug/L	99
91) 1,4-Dichlorobenzene	9.823	146	365606	47.61 ug/L	98
93) 1,2-Dichlorobenzene	10.096	146	325300	47.80 ug/L	100
94) n-Butylbenzene	10.058	91	681011	49.69 ug/L	99
95) 1,2-Dibromo-3-chloropr...	10.679	75	32035	43.18 ug/L	99
96) 1,2,4-Trichlorobenzene	11.219	180	215788	45.36 ug/L	98
97) Hexachlorobutadiene	11.305	225	117887	47.02 ug/L	94
98) Naphthalene	11.412	128	503860	40.98 ug/L	100
99) 1,2,3-Trichlorobenzene	11.594	180	189776	45.08 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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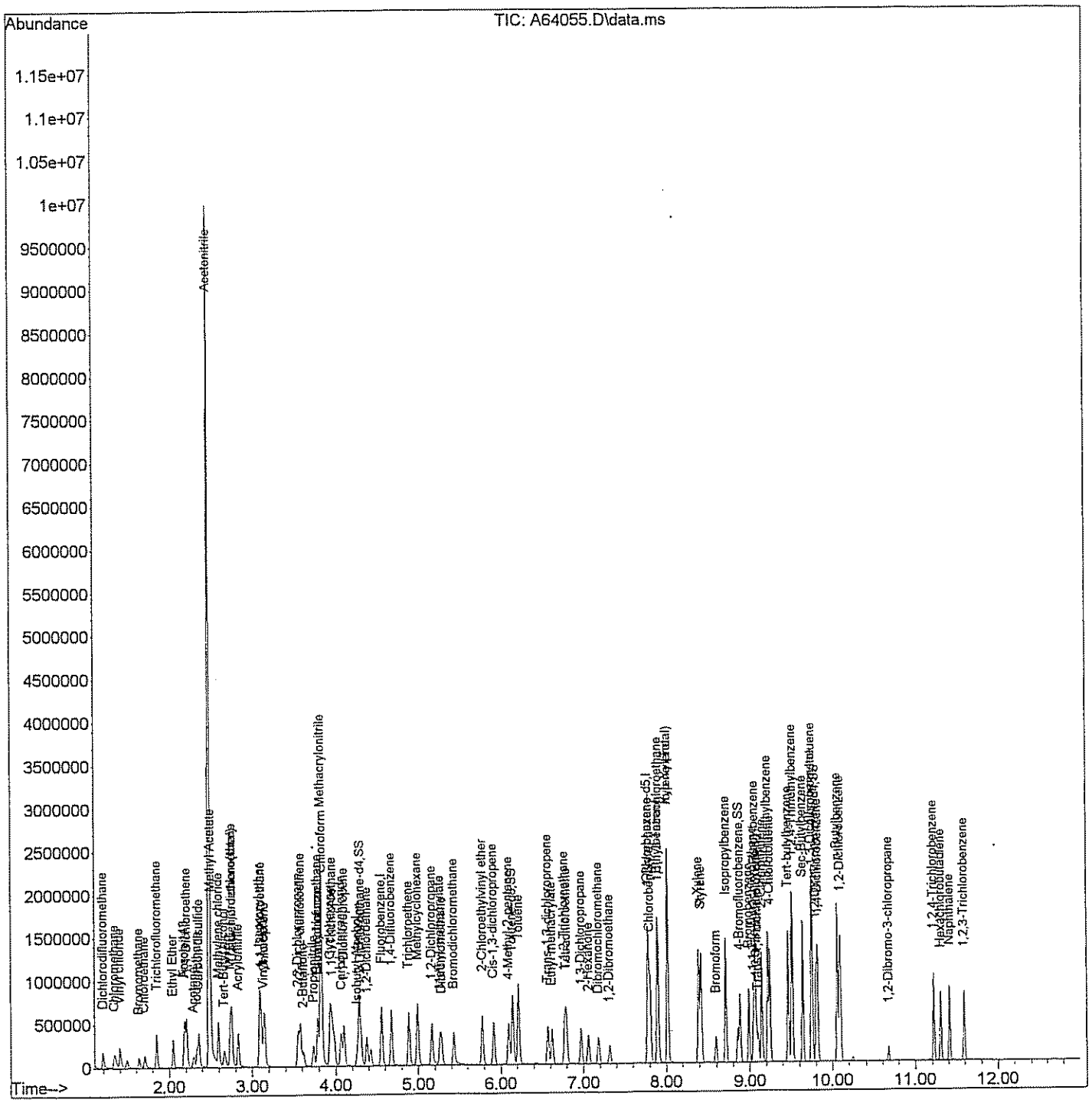
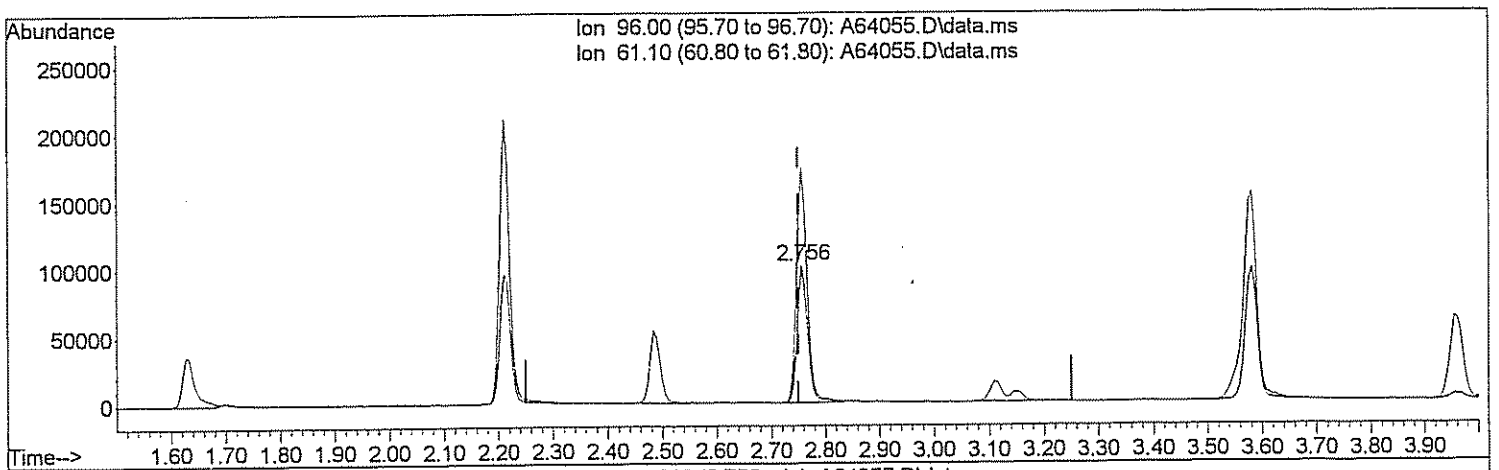
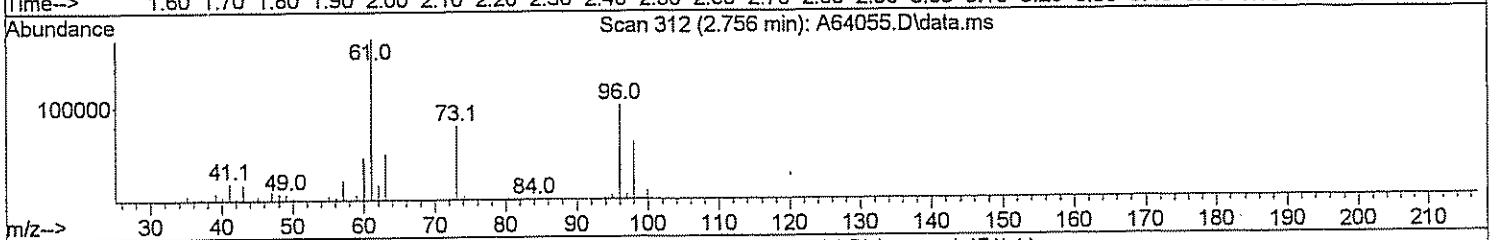


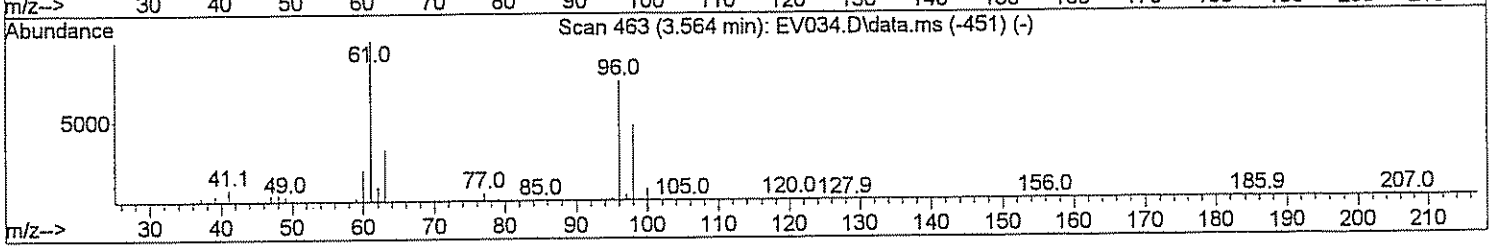
Quantitation Report (Qedit)

Data Path : H:\GCMSDATA\A\052009C1\
Data File : A64055.D
Acq On : 20 May 2009 3:56 pm
Operator : SM
Sample : BKS
Misc : BKS
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 10:28:56 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration







TIC: A64055.D\data.ms

(29) 1,2-dichloroethene(total)

2.756min (+0.005) 39.04 ug/L

response 132229

Ion	Exp%	Act%
96.00	100	100
61.10	143.80	176.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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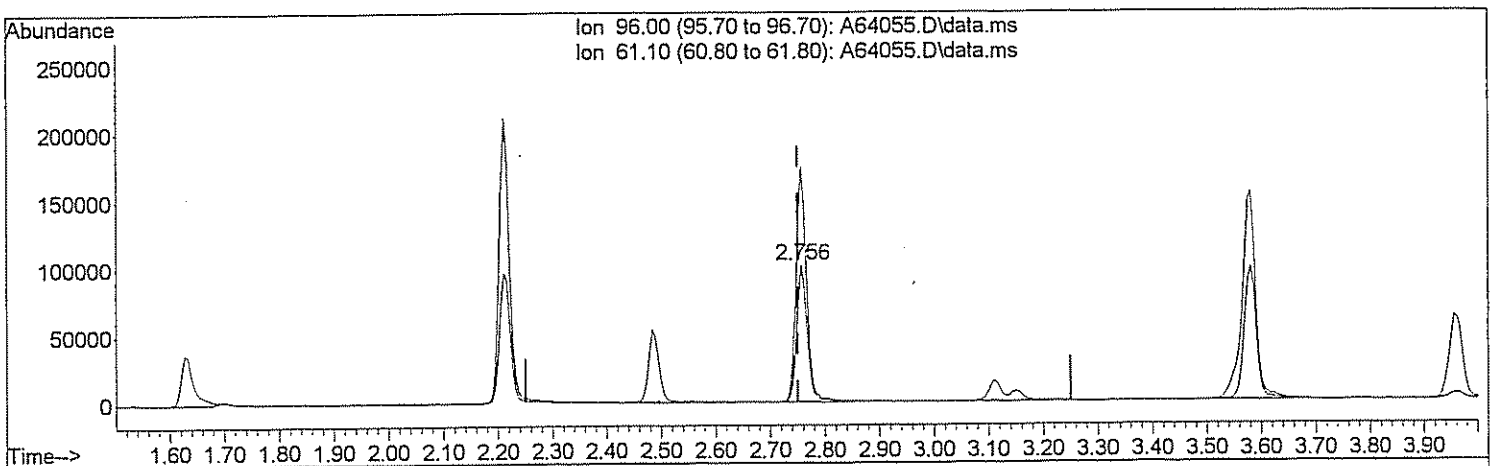

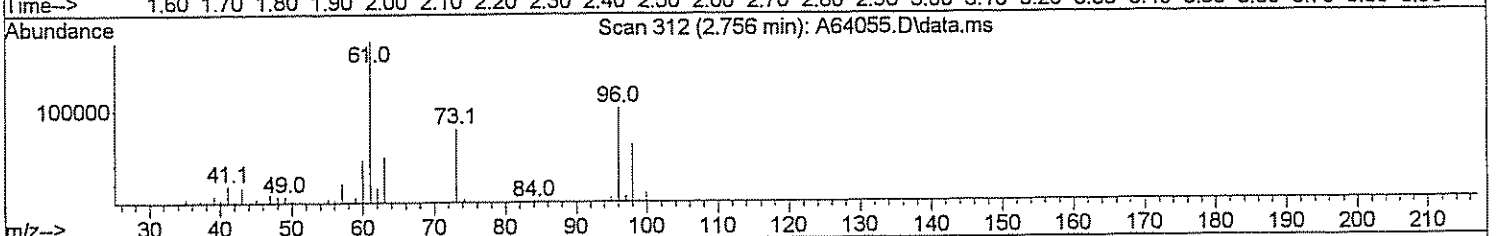

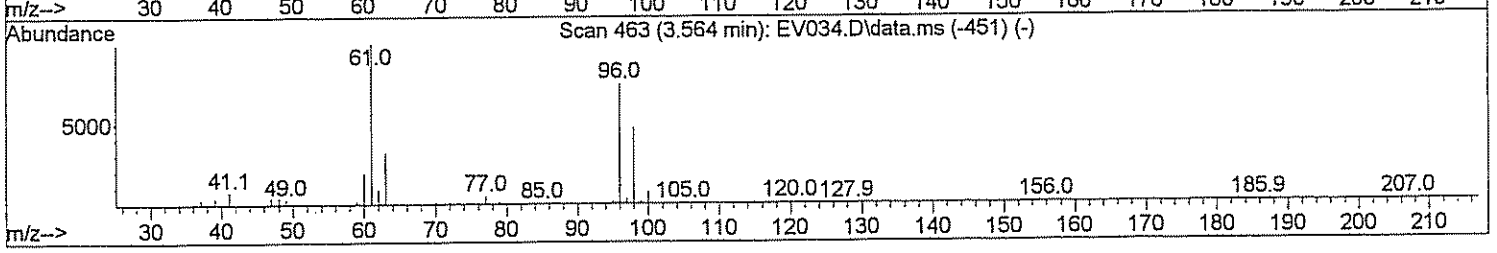

TIC: A64055.D\data.ms

(29) 1,2-dichloroethene(total)

2.756min (+0.005) 85.47 ug/L m Sm 5/22/09

response 289486

Ion	Exp%	Act%
96.00	100	100
61.10	143.80	80.53#
0.00	0.00	0.00
0.00	0.00	0.00

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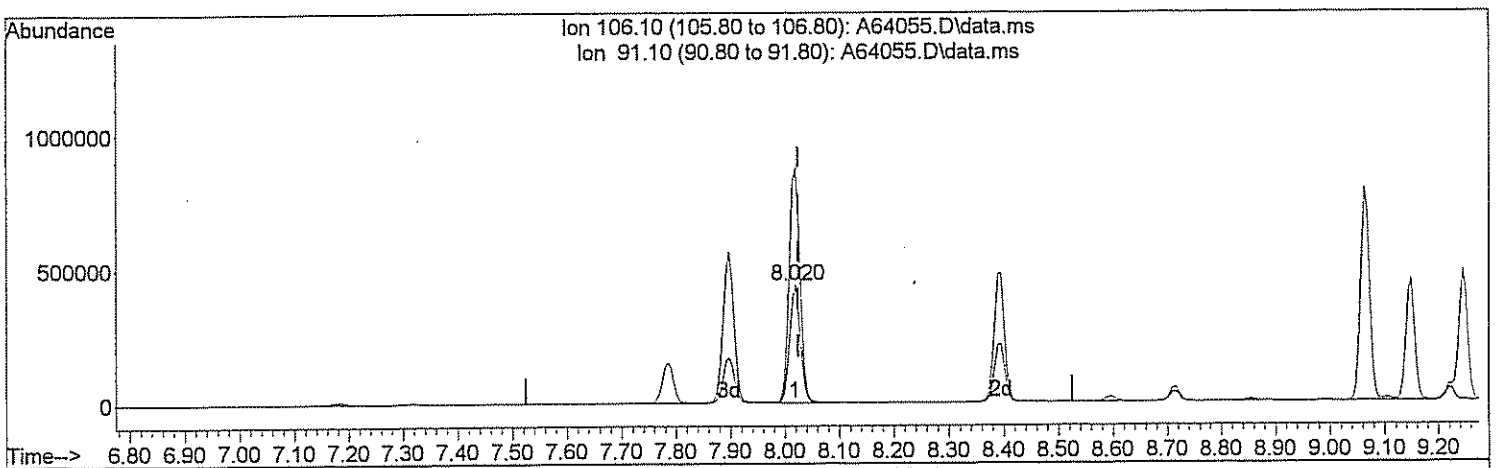

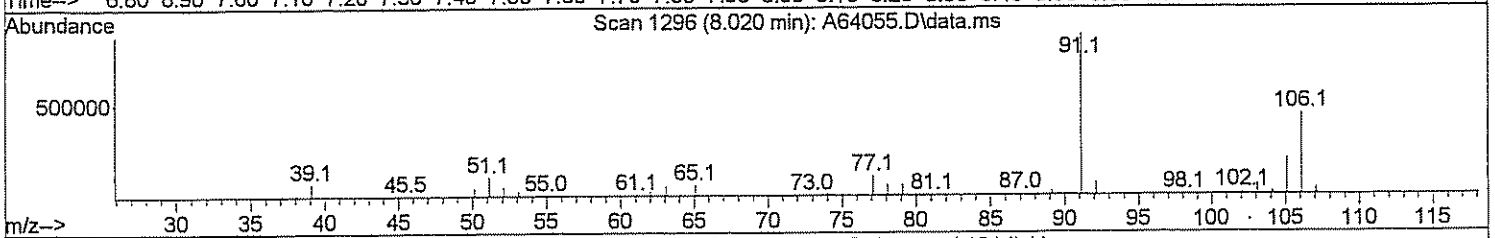

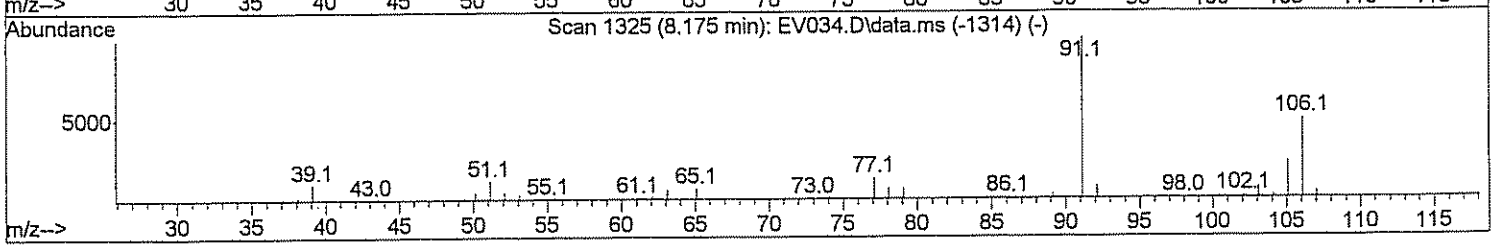

TIC: A64055.D\data.ms

(72) Xylene (Total)

8.020min (-0.005) 98.50 ug/L

response 592377

Ion	Exp%	Act%
106.10	100	100
91.10	208.40	208.07
0.00	0.00	0.00
0.00	0.00	0.00

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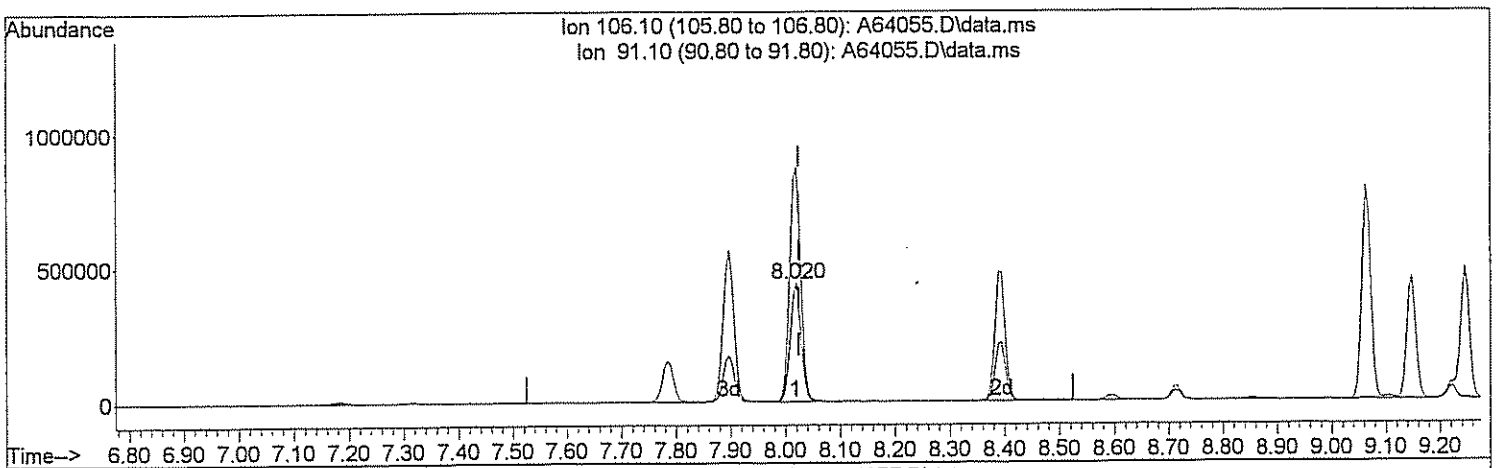

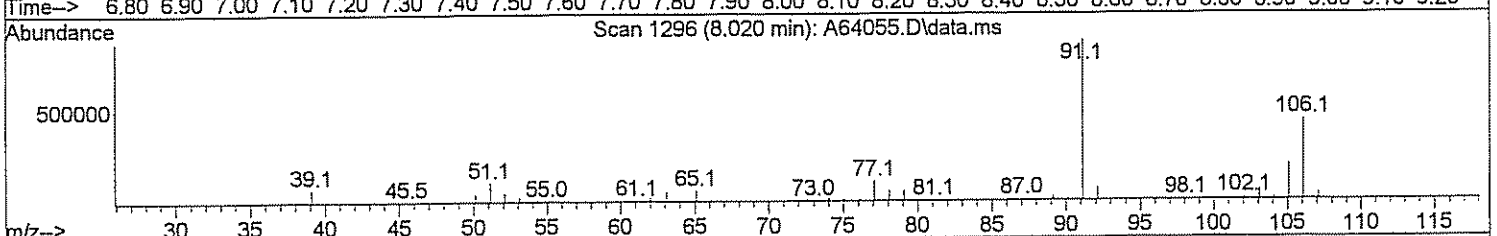

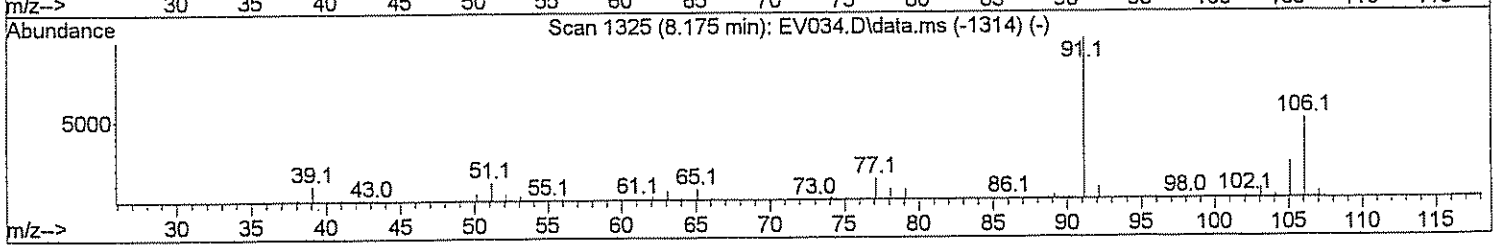

TIC: A64055.D\data.ms

(72) Xylene (Total)

8.020min (-0.005) 146.36 ug/L m SM 5/22/09

response 880239

Ion	Exp%	Act%
106.10	100	100
91.10	208.40	140.03#
0.00	0.00	0.00
0.00	0.00	0.00

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109914
Sample Volume :	5	Lab File ID :	A64087.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	52	
71-55-6	1,1,1-Trichloroethane	53	
79-34-5	1,1,2,2-Tetrachloroethane	47	
79-00-5	1,1,2-Trichloroethane	52	
75-34-3	1,1-Dichloroethane	52	
75-35-4	1,1-Dichloroethene	49	
563-58-6	1,1-Dichloropropene	49	
87-61-6	1,2,3-Trichlorobenzene	50	
96-18-4	1,2,3-Trichloropropane	59	
120-82-1	1,2,4-Trichlorobenzene	48	
95-63-6	1,2,4-Trimethylbenzene	50	
96-12-8	1,2-Dibromo-3-Chloropropane	60	
106-93-4	1,2-Dibromoethane	56	
95-50-1	1,2-Dichlorobenzene	50	
107-06-2	1,2-Dichloroethane	54	
78-87-5	1,2-Dichloropropane	55	
108-67-8	1,3,5-trimethylbenzene	52	
541-73-1	1,3-Dichlorobenzene	49	
142-28-9	1,3-Dichloropropane	53	
106-46-7	1,4-Dichlorobenzene	48	
594-20-7	2,2-Dichloropropane	36	
78-93-3	2-Butanone	100	
95-49-8	2-Chlorotoluene	48	
591-78-6	2-Hexanone	110	
106-43-4	4-Chlorotoluene	48	
99-87-6	4-Isopropyltoluene	50	
108-10-1	4-Methyl-2-Pentanone	120	
67-64-1	Acetone	85	
71-43-2	Benzene	43	

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BKS109914

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Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109914
Sample Volume :	5	Lab File ID :	A64087.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	50	
74-97-5	Bromochloromethane	46	
75-27-4	Bromodichloromethane	57	
75-25-2	Bromoform	58	
74-83-9	Bromomethane	31	
75-15-0	Carbon Disulfide	43	
56-23-5	Carbon Tetrachloride	54	
108-90-7	Chlorobenzene	50	
75-00-3	Chloroethane	40	
67-66-3	Chloroform	42	
74-87-3	Chloromethane	73	
110-82-7	Cyclohexane	64	
124-48-1	Dibromochloromethane	56	
74-95-3	Dibromomethane	50	
75-71-8	Dichlorodifluoromethane	140	
100-41-4	Ethylbenzene	51	
76-13-1	Freon 113	58	
87-68-3	Hexachlorobutadiene	49	
98-82-8	Isopropylbenzene	52	
79-20-9	Methyl Acetate	52	
108-87-2	Methylcyclohexane	60	
75-09-2	Methylene Chloride	44	
91-20-3	Naphthalene	52	
135-98-8	Sec-Butylbenzene	51	
100-42-5	Styrene	51	
127-18-4	Tetrachloroethylene	94	
108-88-3	Toluene	51	
79-01-6	Trichloroethene	54	
75-69-4	Trichlorofluoromethane	54	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109914
Sample Volume :	5	Lab File ID :	A64087.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	61	
75-01-4	Vinyl Chloride	63	
156-59-2	cis-1,2-Dichloroethene	46	
10061-01-5	cis-1,3-Dichloropropene	49	
136777-61-2	m,p-Xylene	100	
104-51-8	n-Butylbenzene	50	
103-65-1	n-Propylbenzene	50	
95-47-6	o-Xylene	52	
98-06-6	tert-Butylbenzene	51	
1634-04-4	tert-butyl methyl ether	54	
156-60-5	trans-1,2-dichloroethene	47	
10061-02-6	trans-1,3-dichloropropene	51	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64087.D
Acq On : 21 May 2009 2:45 am
Operator : SM
Sample : BKS
Misc : BKS
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 14:28:52 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.553	96	504712	50.00	ug/L	0.00
41) 1,4-Difluorobenzene	4.676	114	411267	50.00	ug/L	0.00
59) Chlorobenzene-d5	7.774	117	372152	50.00	ug/L	0.00
System Monitoring Compounds						
40) 1,2-Dichloroethane-d4	4.302	65	178662	56.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 112.40%			
54) Toluene-d8	6.142	98	482755	51.32	ug/L	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 102.64%			
76) 4-Bromofluorobenzene	8.881	95	192010	53.17	ug/L	0.00
Spiked Amount 50.000	Range 75 - 120		Recovery = 106.34%			
92) 1,2-Dichlorobenzene-d4	9.801	152	187161	54.52	ug/L	-0.28
Spiked Amount 50.000	Range 64 - 132		Recovery = 109.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.188	85	146376	137.07	ug/L	94
3) Chloromethane	1.333	50	217180	72.83	ug/L	98
4) Vinyl chloride	1.392	62	189125	63.16	ug/L	97
5) Bromomethane	1.622	94	60649	31.35	ug/L	94
6) Chloroethane	1.686	64	91744	40.51	ug/L	91
7) Trichlorofluoromethane	1.836	101	224939	54.38	ug/L	100
8) Ethyl Ether	2.044	59	157320	58.81	ug/L	90
9) Freon 113	2.178	101	129779	57.93	ug/L	95
10) Acrolein	2.189	56	147206	262.04	ug/L	97
11) Tert-Butyl alcohol	2.670	59	467539	1472.80	ug/L #	47
12) 1,1-Dichloroethene	2.205	96	142252	49.42	ug/L	83
13) Iodomethane	2.333	142	96296	43.74	ug/L	99
14) Acetonitrile	2.483	40	498204	272.27	ug/L #	1
15) Methylene chloride	2.595	84	135005	44.29	ug/L	85
16) Trans-1,2-dichloroethene	2.756	96	134789	47.39	ug/L	84
17) Isopropyl ether	3.093	45	633400	57.39	ug/L	94
18) 1,1-Dichloroethane	3.109	63	306473	51.71	ug/L	98
19) Acetone	2.301	43	139646	84.92	ug/L	98
20) Methyl Acetate	2.504	43	262711	51.70	ug/L #	100
21) MTBE	2.740	73	457733	53.82	ug/L	100
22) Carbon disulfide	2.355	76	405520	43.39	ug/L	100
24) Acrylonitrile	2.831	53	322228	319.00	ug/L	99
25) Chloroprene	3.146	53	284142	56.80	ug/L	91
27) 2,2-Dichloropropane	3.553	77	163170	36.13	ug/L	85
28) Cis-1,2-dichloroethene	3.574	96	153626	45.64	ug/L #	75
29) 1,2-dichloroethene(total)	3.574	96	293040m	89.38	ug/L	

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64087.D
Acq On : 21 May 2009 2:45 am
Operator : SM
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ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 14:28:52 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
30) Propionitrile	3.740	54	326085	703.88 ug/L	99
31) Bromochloromethane	3.783	128	82736	46.19 ug/L	80
32) Tetrahydrofuran	3.788	72	43485	46.54 ug/L #	1
33) Chloroform	3.836	83	271652	42.59 ug/L	99
34) Cyclohexane	3.933	56	323175	63.68 ug/L #	88
35) 1,1,1-Trichloroethane	3.954	97	235903	52.84 ug/L	98
36) Carbon tetrachloride	4.061	117	212928	53.65 ug/L	99
37) Methacrylonitrile	3.826	41	1302601	451.15 ug/L #	21
38) Methylcyclohexane	4.987	83	260485	59.80 ug/L	92
39) Isobutyl Alcohol	4.259	43	211336	1270.14 ug/L	94
42) 2-Butanone	3.612	43	244414	104.54 ug/L	100
43) 1,1-Dichloropropene	4.099	75	193908	48.62 ug/L	93
44) Vinyl Acetate	3.136	43	428324	61.22 ug/L	99
45) Benzene	4.280	78	551692	42.93 ug/L	100
46) 1,2-Dichloroethane	4.371	62	243761	54.11 ug/L	98
47) Trichloroethene	4.880	95	160609	54.36 ug/L	98
48) 1,2-Dichloropropane	5.158	63	176419	54.61 ug/L	100
49) Methyl methacrylate	5.259	69	125171	53.04 ug/L	98
50) Dibromomethane	5.275	93	92547	50.25 ug/L	99
51) Bromodichloromethane	5.431	83	220288	56.60 ug/L	100
52) 2-Chloroethylvinyl ether	5.778	63	461012	200.37 ug/L	95
53) Cis-1,3-dichloropropene	5.912	75	257884	49.46 ug/L	97
55) Toluene	6.212	92	374159	50.68 ug/L	98
56) Trans-1,3-dichloropropene	6.565	75	246299	50.96 ug/L	96
57) Ethyl methacrylate	6.618	69	218781	52.17 ug/L	97
58) 1,1,2-Trichloroethane	6.773	83	120824	52.51 ug/L #	77
60) 4-Methyl-2-pentanone	6.094	43	434794	115.87 ug/L	93
61) 2-Hexanone	7.062	43	313134	111.22 ug/L	92
62) Tetrachloroethene	6.789	166	290685	93.66 ug/L	97
63) 1,3-Dichloropropane	6.971	76	237736	52.97 ug/L	88
64) Dibromochloromethane	7.180	129	153312	55.63 ug/L	100
65) 1,2-Dibromoethane	7.314	107	140831	56.12 ug/L	99
66) 1-Chlorohexane	7.785	91	208542	47.26 ug/L	88
67) Chlorobenzene	7.806	112	425182	50.33 ug/L	98
68) 1,1,1,2-Tetrachloroethane	7.902	131	155819	51.71 ug/L	98
69) Ethylbenzene	7.897	91	761070	51.24 ug/L	97
70) m,p-Xylene	8.020	106	581513	100.13 ug/L	99
71) o-Xylene	8.389	106	285574	52.28 ug/L	97
72) Xylene (Total)	8.020	106	867922m	148.62 ug/L	
73) Styrene	8.421	104	481931	50.99 ug/L	87
74) Bromoform	8.598	173	123800	58.03 ug/L	100
75) Isopropylbenzene	8.715	105	739682	52.30 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64087.D
Acq On : 21 May 2009 2:45 am
Operator : SM
Sample : BKS
Misc : BKS
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 14:28:52 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
77) Bromobenzene	8.988	156	171019	50.22 ug/L	100
78) 1,1,2,2-Tetrachloroethane	9.047	83	170402	46.99 ug/L	98
79) 1,2,3-Trichloropropane	9.084	110	61208	59.07 ug/L	99
80) n-Propylbenzene	9.063	91	897965	49.84 ug/L	98
81) Trans-1,4-dichloro-2-b...	9.106	53	69841	49.11 ug/L #	25
82) 2-Chlorotoluene	9.149	126	169002	48.21 ug/L	99
83) 4-Chlorotoluene	9.245	126	174088	48.43 ug/L	84
84) 1,3,5-Trimethylbenzene	9.218	105	633235	52.24 ug/L	98
85) Tert-butylbenzene	9.464	119	529399	51.08 ug/L	98
87) 1,2,4-Trimethylbenzene	9.518	105	643492	50.24 ug/L	100
88) Sec-Butylbenzene	9.635	105	816431	50.87 ug/L	100
89) 1,3-Dichlorobenzene	9.742	146	350166	48.69 ug/L	100
90) 4-Isopropyltoluene	9.753	119	685846	50.34 ug/L	99
91) 1,4-Dichlorobenzene	9.817	146	360471	48.34 ug/L	100
93) 1,2-Dichlorobenzene	10.096	146	328801	49.76 ug/L	99
94) n-Butylbenzene	10.058	91	661166	49.68 ug/L	98
95) 1,2-Dibromo-3-chloropr...	10.673	75	43506	60.39 ug/L	94
96) 1,2,4-Trichlorobenzene	11.219	180	223058	48.29 ug/L	98
97) Hexachlorobutadiene	11.305	225	118922	48.85 ug/L	96
98) Naphthalene	11.406	128	623694	52.24 ug/L	100
99) 1,2,3-Trichlorobenzene	11.593	180	203443	49.77 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\GCMSDATA\A\052009AC1\
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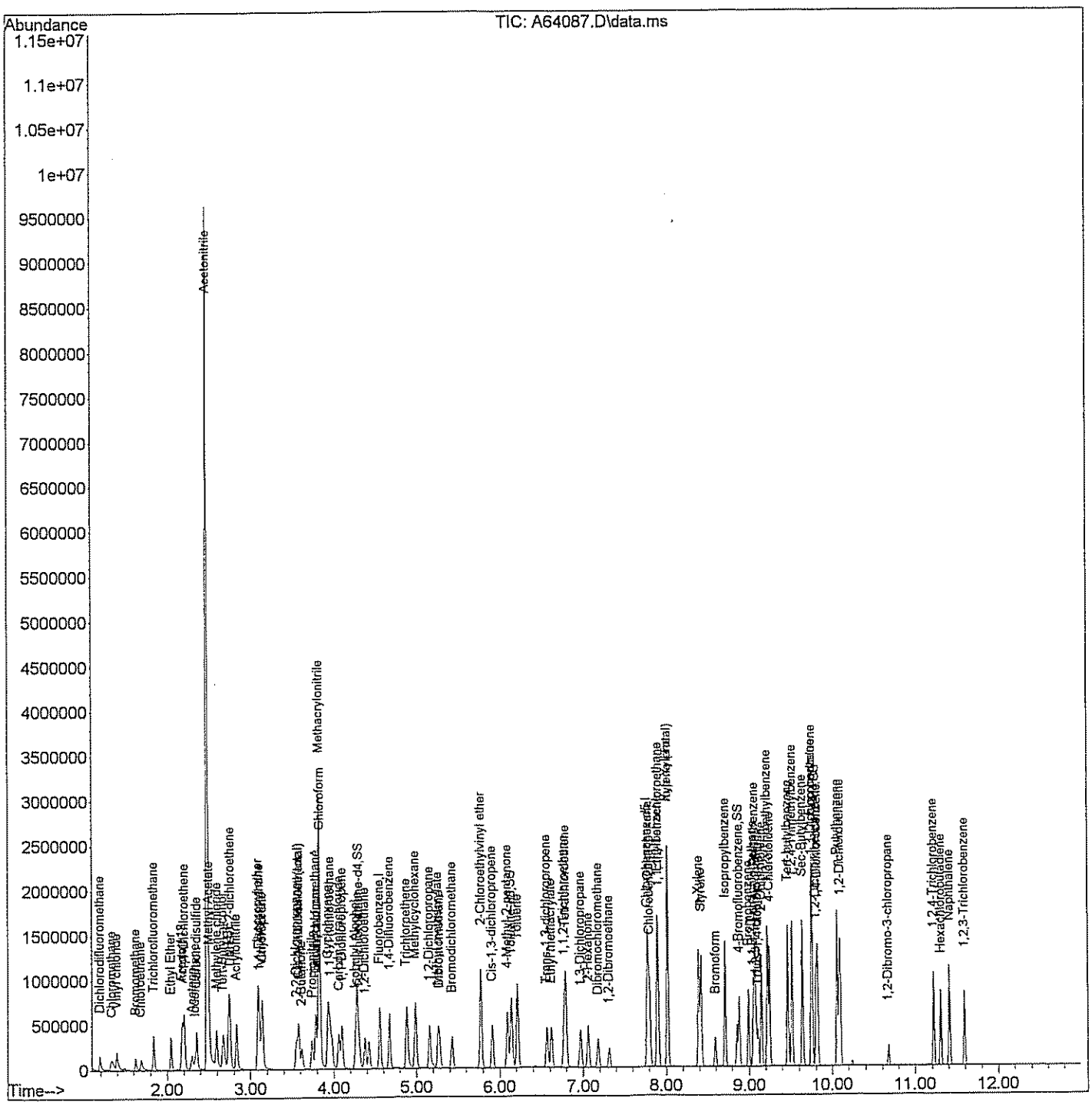
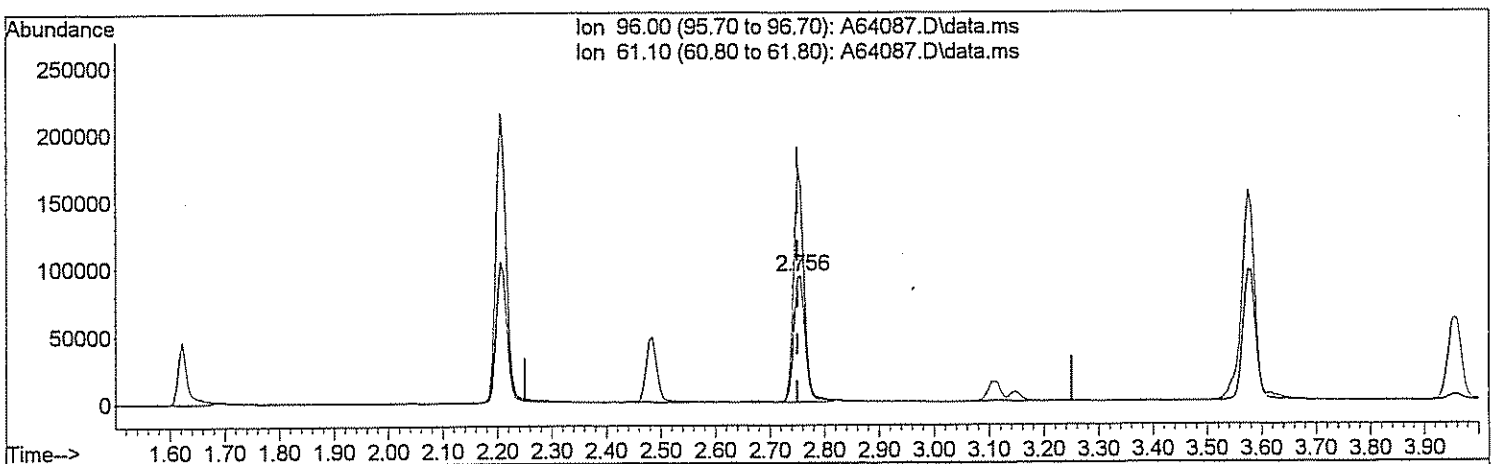
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration

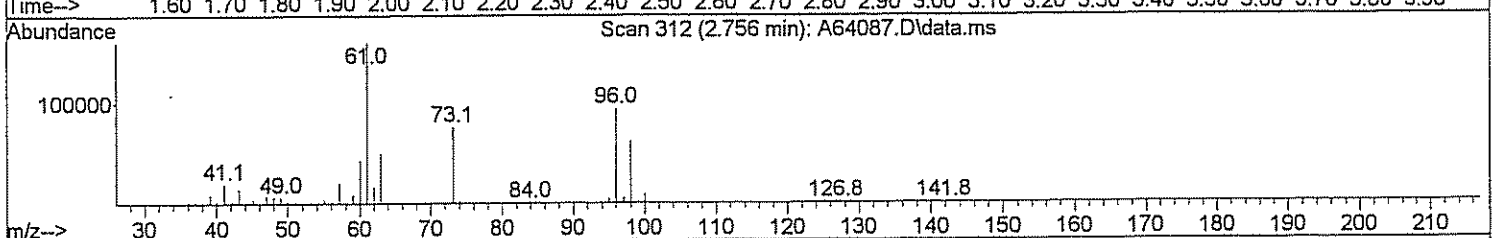


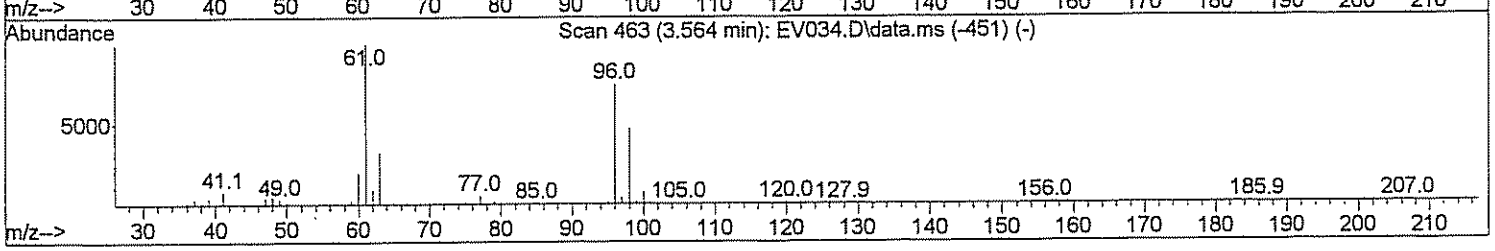
Quantitation Report (Qedit)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64087.D
Acq On : 21 May 2009 2:45 am
Operator : SM
Sample : BKS
Misc : BKS
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 13:50:23 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration







TIC: A64087.D\data.ms

(29) 1,2-dichloroethene(total)

2.756min (+0.005) 41.11 ug/L

response 134789

Ion	Exp%	Act%
96.00	100	100
61.10	143.80	175.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64087.D
Acq On : 21 May 2009 2:45 am
Operator : SM
Sample : BKS
Misc : BKS
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Quant Time: May 22 13:50:23 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
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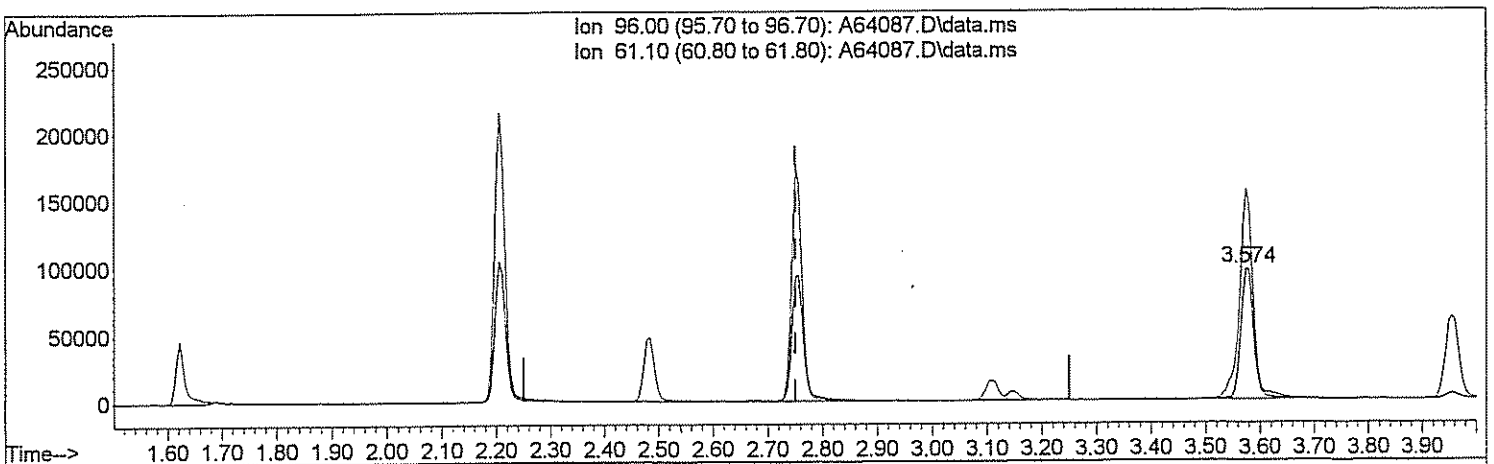

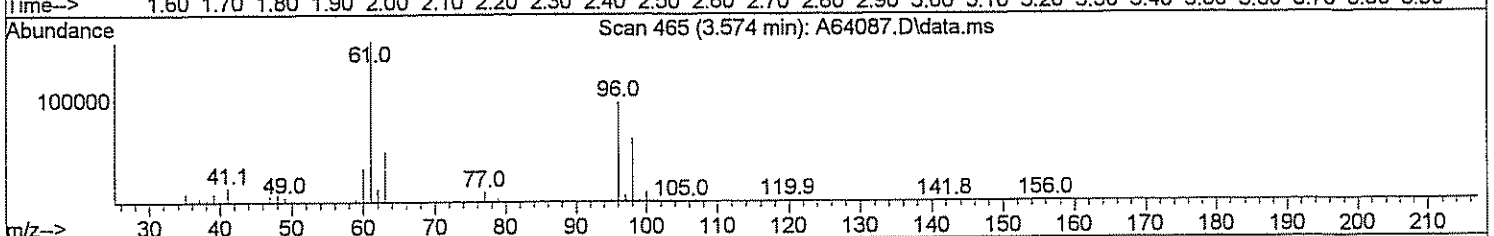

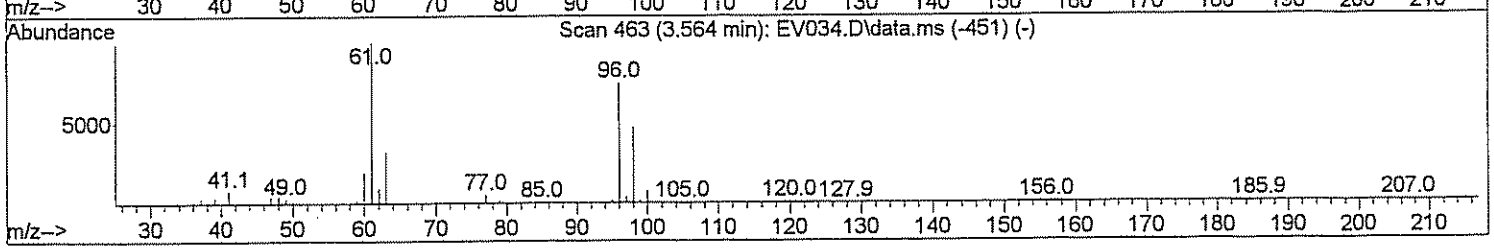

TIC: A64087.D\data.ms

(29) 1,2-dichloroethene(total)

3.574min (+0.824) 89.38 ug/L m Sm 5/22/09

response 293040

Ion	Exp%	Act%
96.00	100	100
61.10	143.80	80.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : H:\GCMSDATA\A\052009AC1\
Data File : A64087.D
Acq On : 21 May 2009 2:45 am
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Quant Time: May 22 13:50:23 2009
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
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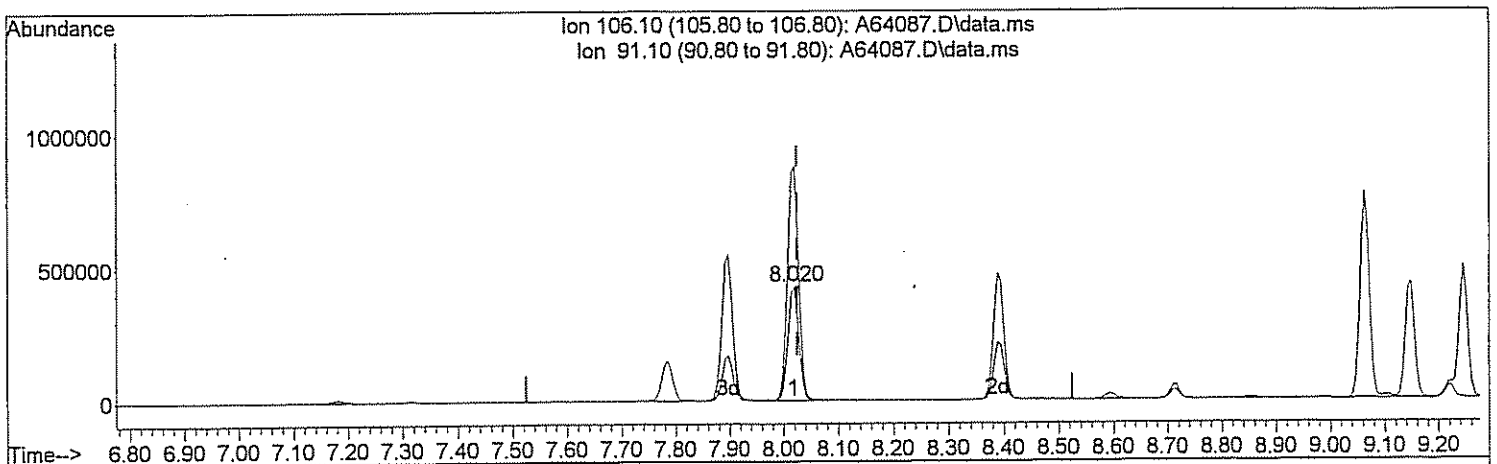

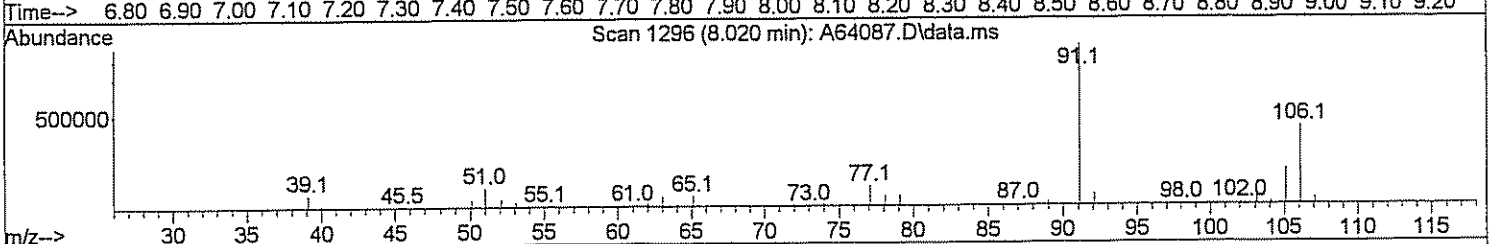

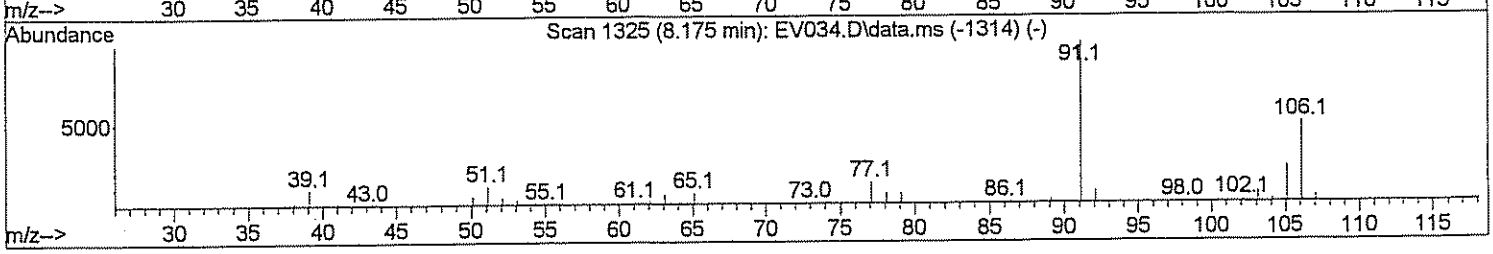

TIC: A64087.D\data.ms

(72) Xylene (Total)

8.020min (-0.006) 99.58 ug/L

response 581513

Ion	Exp%	Act%
106.10	100	100
91.10	208.40	209.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : A64087.D
Acq On : 21 May 2009 2:45 am
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Misc : BKS
ALS Vial : 22 Sample Multiplier: 1

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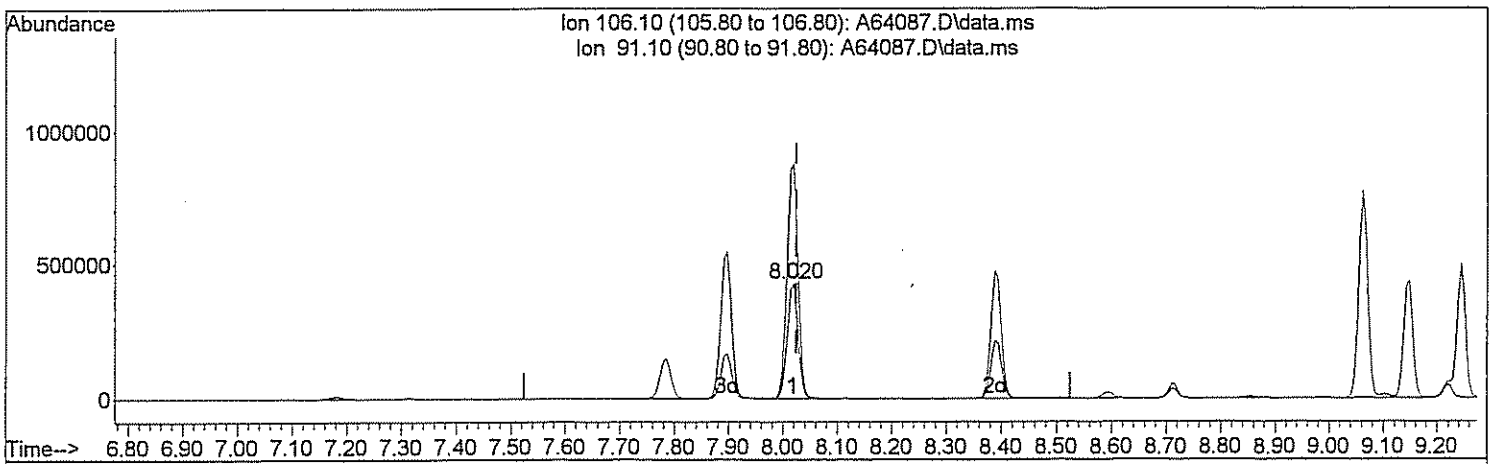
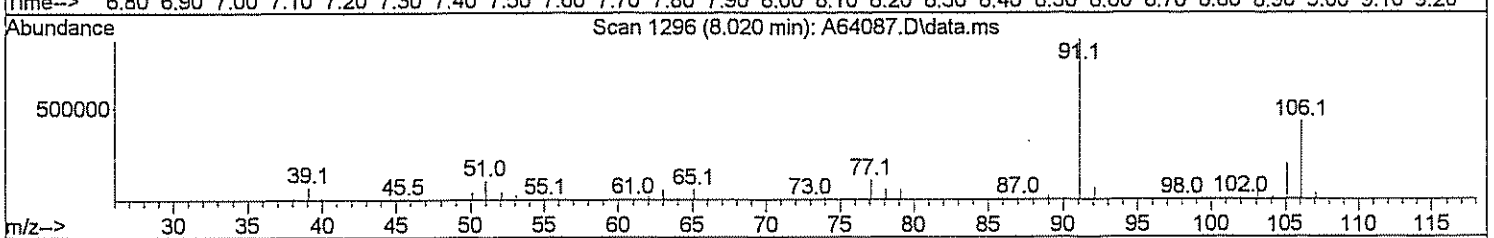
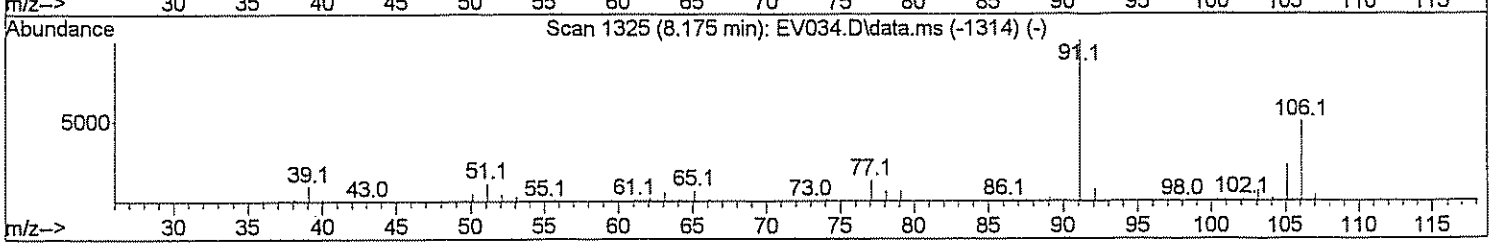
Quant Method : H:\GCMSDATA\A\METHODS\A8260C1_050409.M
Quant Title : 8260
QLast Update : Tue May 05 13:31:44 2009
Response via : Initial Calibration







TIC: A64087.D\data.ms

(72) Xylene (Total)

8.020min (-0.006) 148.62 ug/L m Dm 5/22/09

response 867922

Ion	Exp%	Act%
106.10	100	100
91.10	208.40	140.21#
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS ANALYSIS LOG - VOLATILES

Reviewed By: N✓ Date: 5/5/09

INSTRUMENT ID:	HP 5975 #A
ANALYSIS/FRACTION:	VOA
ANALYSTS:	SM

ICAL Date: 5-4-09

METHOD FILE:	A8260CI_050409
SEQUENCE FILE:	5-04-09CI
TUNE FILE:	BFB

ALS	FILE ID	GPL ID	DATE	TIME	DIL	MATRIX	VOL	PH	METHOD	COMMENTS
File Number	Sample ID	Date	Time	Matrix	Vol/Weight	Dilution	pH	Method	Comments	
A63553.D	BFB	May 4, 2009	9:11	STD	5	N/A	N/A	BFB	OK	
A63555.D	CAL01	May 4, 2009	10:02	STD	5	N/A	N/A	8260	NOT USED	
A63557.D	CAL05	May 4, 2009	10:41	STD	5	N/A	N/A	8260	OK	
A63559.D	CAL20	May 4, 2009	11:24	STD	5	N/A	N/A	8260	OK	
A63561.D	CAL50	May 4, 2009	12:04	STD	5	N/A	N/A	8260	OK	
A63563.D	CAL100	May 4, 2009	12:43	STD	5	N/A	N/A	8260	OK	
A63565.D	RINSE	May 4, 2009	NA	N/A	5	N/A	N/A	8260	CLEANING	
A63567.D	CAL200	May 4, 2009	2:02	STD	5	N/A	N/A	8260	OK	
A63569.D	RINSE	May 4, 2009	NA	N/A	5	N/A	N/A	8260	CLEANING	
A63571.D	CAL01	May 4, 2009	3:21	STD	5	N/A	N/A	8260	NOT USED	
A63573.D	CAL01	May 4, 2009	4:13	STD	5	N/A	N/A	8260	OK	
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									
	A									

SM 5/14/09

REMARKS:

Standards	Lot #	Conc.	Prep. Date	Volume
8260IS/SS	11649	50	5-1-09	2.5 ml
Mix1	11650	100	↓	↓
Mix2	11651	↓		
Mix3	11652	500		
Gas Mix	11653	100		

GC/MS ANALYSIS LOG - VOLATILES

Reviewed By: HA Date: 5-22-09

INSTRUMENT ID:	HP 5975 #A
ANALYSIS/FRACTION:	VOA
ANALYSTS:	SM

ICAL Date: 5-4-09

METHOD FILE:	A8260CL-050409
SEQUENCE FILE:	5-20-09C1
TUNE FILE:	BFB

ALS	FILE ID	GPL ID	DATE	TIME	DIL	MATRIX	VOL	PH	METHOD	COMMENTS
File Number	Sample ID	Date	Time	Matrix	Vol/Weight	Dilution	pH	Method	Comments	
A64045.D	BFB	May 20, 2009	10:29	STD	5ML	N/A	N/A	BFB	NOT USED	
A64047.D	BFB	May 20, 2009	11:47	STD	5ML	N/A	N/A	BFB	NOT USED	
A64049.D	BFB	May 20, 2009	12:53	STD	5ML	N/A	N/A	BFB	OK	
A64051.D	CCV50	May 20, 2009	2:25	STD	5ML	N/A	N/A	8260	NOT USED	
A64053.D	CCV50	May 20, 2009	3:04	STD	5ML	N/A	N/A	8260	OK	
A64055.D	BKS	May 20, 2009	3:56	STD	5ML	N/A	N/A	8260	OK	
A64057.D	BLK	May 20, 2009	4:36	STD	5ML	N/A	N/A	8260	OK	
A64059.D	905046-001	May 20, 2009	5:26	WATER	1 UL	5000X	<2	8260	DILUTE MORE	
A64061.D	RINSE	May 20, 2009	6:05	WATER	5ML	N/A	N/A	8260	CLEANING	
A64063.D	905068-003MS	May 20, 2009	6:45	WATER	5ML	N/A	<2	8260	OK	
A64065.D	905068-003MSD	May 20, 2009	7:25	WATER	5ML	N/A	<2	8260	OK	
A64067.D	905046-001	May 20, 2009	8:05	WATER	20 UL	250X	<2	8260	OK	
A64069.D	905068-005	May 20, 2009	8:44	WATER	5ML	N/A	<2	8260	OK	
A64071.D	905068-006	May 20, 2009	9:24	WATER	5ML	N/A	<2	8260	OK	
A64073.D	905068-007	May 20, 2009	10:04	WATER	5ML	N/A	<2	8260	OK	
A64075.D	905068-009	May 20, 2009	10:44	WATER	5ML	N/A	<2	8260	OK	
A64077.D	905070-001	May 20, 2009	11:23	WATER	5ML	N/A	<2	8260	OK	
A64079.D	905070-002	May 21, 2009	12:04	WATER	5ML	N/A	<2	8260	OK	
	A									
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SM 5/22/09

REMARKS:

Standards	Lot #	Conc.	Prep. Date	Volume
8260 IS/SS	11690	50	5-18-09	2.5 ml
Mix1	11691	100		
Mix2	11692			
Mix3	11693	500		
GasMix	11694	100		

GC/MS ANALYSIS LOG - VOLATILES

Reviewed By: bb Date: 5-21-09

INSTRUMENT ID:	HP 5975 #A
ANALYSIS/FRACTION:	VOA
ANALYSTS:	SM

ICAL Date: 5-4-09

METHOD FILE:	A8260C1-050409
SEQUENCE FILE:	520-09AC1
TUNE FILE:	BFB

ALS	FILE ID	GPL ID	DATE	TIME	DIL	MATRIX	VOL	PH	METHOD	COMMENTS
File Number	Sample ID		Date	Time	Matrix	Vol/Weight	Dilution	pH	Method	Comments
A64081.D	BFB		May 21, 2009	00:44	STD	5 ML	N/A	N/A	BFB	NOT USED
A64083.D	BFB		May 21, 2009	1:24	STD	5 ML	N/A	N/A	BFB	OK
A64085.D	CCV50		May 21, 2009	2:04	STD	5 ML	N/A	N/A	8260	OK
A64087.D	BKS		May 21, 2009	2:45	STD	5 ML	N/A	N/A	8260	OK
A64089.D	BLK		May 21, 2009	3:25	STD	5 ML	N/A	N/A	8260	OK
A64091.D	905070-003		May 21, 2009	4:05	WATER	5 ML	N/A	<2	8260	OK
A64093.D	905070-004		May 21, 2009	4:45	WATER	5 ML	N/A	<2	8260	OK
A64095.D	905070-005		May 21, 2009	5:25	WATER	5 ML	N/A	<2	8260	OK
A64097.D	905074-001		May 21, 2009	6:06	WATER	5 ML	N/A	<2	8260	OK
A64099.D	905074-002		May 21, 2009	6:45	WATER	5 ML	N/A	<2	8260	OK
A64101.D	905074-003		May 21, 2009	7:25	WATER	5 ML	N/A	<2	8260	OK
A64103.D	905074-004		May 21, 2009	8:04	WATER	50 UL	100X	<2	8260	OK
A64105.D	905074-005		May 21, 2009	8:43	WATER	50 UL	100X	<2	8260	DILUTE 200X
A64107.D	905074-006		May 21, 2009	9:23	WATER	5 ML	N/A	<2	8260	OK
A64109.D	905074-007		May 21, 2009	10:03	WATER	200 UL	25X	<2	8260	DILUTE LESS
A64111.D	905074-008		May 21, 2009	10:43	WATER	0.5ML	10X	<2	8260	OK

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Smc 5/22/09

REMARKS:

Standards	Lot #	Conc.	Prep. Date	Volume
8260 IS/SS	11690	50	5-18-09	2.5 ml
Mix1	11691	100		
Mix2	11692	↓		
Mix3	11693	500		
Gas	11694	100		

SEMIVOLATILE ORGANICS

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary
5. GC/MS Instrument Performance Check
6. Internal Standard Area and RT Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8270-LL** **SDG No : 905070**

Surrogate	NO2BZD5	PHEN2F	PHEND14
Lower QC Limits	20	23	20
Upper QC Limits	137	110	138
Sample ID			
BKS109708	85	75	113
BLK109708	91	85	109
OUI-EB01-050709	80	73	131
OUI-FB050709	84	72	141 *

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 PHEN2F = 2-Fluorobiphenyl PHEND14 = p-Terphenyl-d14

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name : GPL Laboratories SDG NO : 905068 Method : SW8270-LL

Lab Code : GPL Lab Sample ID : 905068-003-025-1/6MSD Matrix : WATER Analysis Date : 05/11/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
2-Methylnaphthalene	11	11	0.0	11	10	100	91	9	40	68-131
Acenaphthene	11	11	0.0	10	9.9	91	90	1	19	64-107
Acenaphthylene	11	11	0.0	9.3	9.2	85	84	1	40	61-114
Anthracene	11	11	0.0	9.6	9.3	87	85	2	40	57-113
Benzo[a]anthracene	11	11	0.0	12	14	109	118	8	40	74-118
Benzo[a]pyrene	11	11	0.0	17	14	155 *	127	20	40	56-127
Benzo[b]fluoranthene	11	11	0.0	17	16	155 *	145 *	7	40	62-131
Benzo[g,h,i]perylene	11	11	0.0	19	12	173 *	109	45 *	40	60-121
Benzo[k]fluoranthene	11	11	0.0	11	13	100	118	17	40	54-122
Chrysene	11	11	0.0	11	10	100	91	9	40	61-119
Dibenz[a,h]anthracene	11	11	0.0	17	10	155 *	91	52 *	40	63-120
Fluoranthene	11	11	0.0	8.9	10	81	91	12	40	63-129
Fluorene	11	11	0.0	11	10	100	91	9	40	65-114
Indeno[1,2,3-cd]pyrene	11	11	0.0	19	12	173 *	109	45 *	40	62-129
Naphthalene	11	11	0.0	9.1	8.4	83	76	9	40	67-112
Phenanthrene	11	11	0.0	11	12	100	109	9	40	64-127
Pyrene	11	11	0.0	14	14	127	127	0	36	63-139

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 3 Out of 17 Outside Limit
Spike Recovery : 6 Out of 34 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS109708

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8270-LL

Contract. : CTO-059 386383.FI.FQ.FQ
SDG NO : 905070
Lab Sample ID : BKS109708
Analysis Date : 05/11/2009

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
2-Methylnaphthalene	10	0	9.0	90	68-131
Acenaphthene	10	0	8.2	82	70-105
Acenaphthylene	10	0	7.7	77	61-113
Anthracene	10	0	6.8	68	64-122
Benzo[a]anthracene	10	0	10	100	62-125
Benzo[a]pyrene	10	0	11	110	60-125
Benzo[b]fluoranthene	10	0	13	130	55-140
Benzo[g,h,i]perylene	10	0	11	110	45-134
Benzo[k]fluoranthene	10	0	9.1	91	51-140
Chrysene	10	0	8.4	84	63-122
Dibenz[a,h]anthracene	10	0	9.6	96	42-137
Fluoranthene	10	0	8.0	80	59-135
Fluorene	10	0	8.1	81	54-140
Indeno[1,2,3-cd]pyrene	10	0	12	120	47-127
Naphthalene	10	0	8.1	81	60-115
Phenanthrene	10	0	9.6	96	64-122
Pyrene	10	0	10	100	76-126

* Values Outside of QC Limits.

Spike recovery : 0 out of 17 outside limits

GPL Laboratories

GPL
FORM 4
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO
BLK109708

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	109708
Lab File ID :	P42308.D	SDG NO :	905070
Date Analyzed	05/11/2009	Lab Sample ID :	BLK109708
Date Extracted :	05/11/2009	Time Analyzed :	14:24
Matrix :(Soil/Water).	WATER	Level :(Low/Med)	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS109708	BKS109708	P42309.D	05/11/2009
OUI-FB050709	905070-001-017-1/2	P42314.D	05/11/2009
OUI-EB01-050709	905070-002-019-1/2	P42315.D	05/11/2009

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GPL LABORATORIES Contract: N/A

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: P41727.D DFTPP Injection Date: 04/09/09

Instrument ID: HP#P DFTPP Injection Time: 09:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 Relative abundance	47.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	40.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	20.5
365	Greater than 0.75% of mass 198	1.6
441	Present, but less than mass 443	10.8
442	40.0 - 110.0% of mass 198	72.7
443	15.0 - 24.0% of mass 442	15.2 (20.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD02.5	SSTD02.5	P41728.D	04/09/09	09:30
02	SSTD020	SSTD020	P41729.D	04/09/09	10:05
03	SSTD00.2	SSTD00.2	P41730.D	04/09/09	10:41
04	SSTD00.5	SSTD00.5	P41731.D	04/09/09	11:16
05	SSTD001	SSTD001	P41732.D	04/09/09	11:51
06	SSTD005	SSTD005	P41733.D	04/09/09	12:26
07	SSTD010	SSTD010	P41734.D	04/09/09	13:01
08	SSTD010iCV	SSTD010iCV	P41735.D	04/09/09	13:41

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : CH2M Hill

Lab Code: GPL Case No: N/A SAS No: N/A SDG No : 905070

Lab File ID: P42306.D DFTPP Injection Date : 05/11/2009 DFTPP Injection Time : 13:29

GC Column: _ ID: DB-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.0
70	Less than 2.0% of mass-69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	43.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak. 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	19.4
365	Greater than 1.0% of mass 198	1.2
441	Present. but less than mass 443	5.3
442	40.0 - 110.0% of mass 198	55.3
443	17.0 - 23.0% of mass 442	10.8 (19.5)2

1-Value is % mass 69

2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	SSTD02.5	SSTD02.5	P42307.D	05/11/2009	13:49
2	BLK109708	BLK109708	P42308.D	05/11/2009	14:24
3	BKS109708	BKS109708	P42309.D	05/11/2009	14:58
4	OUI-FB050709	905070-001-017-1/2	P42314.D	05/11/2009	17:44
5	OUI-EB01-050709	905070-002-019-1/2	P42315.D	05/11/2009	18:19

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : CH2M Hill

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 905070

Lab File ID: P42307.D Date Analyzed: 05/11/2009 Time Analyzed: 13:49

	ACNPD10		CHRYSENED12		DCBZ14D4	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	370439	13.79	189257	20.55	394283	08.26
UPPER LIMIT	740878	14.29	378514	21.05	788566	08.76
LOWER LIMIT	185220	13.29	94629	20.05	197142	07.76
Client Sample						
BKS109708	374062	13.80	208591	20.56	435417	08.25
BLK109708	306905	13.80	210410	20.55	388936	08.24
OUI-EB01-050709	467302	13.80	249993	20.56	508145	08.25
OUI-FB050709	478502	13.80	216154	20.56	501432	08.25

ACNPD10 = acenaphthene-d1(
CHRYSENED12 = Chrysene-d12
DCBZ14D4 = 1,4-Dichlorobenzene-d·
NAPHD8 = Naphthalene-d8
PERYD12 = Perylene-d12
PHAND10 = phenanthrene-d1(

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : CH2M Hill

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 905070

Lab File ID: P42307.D Date Analyzed: 05/11/2009 Time Analyzed: 13:49

	NAPHD8		PERYD12		PHAND10	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	1103835	10.57	111246	22.05	421778	16.50
UPPER LIMIT	2207670	11.07	222492	22.55	843556	17.00
LOWER LIMIT	551918	10.07	55623	21.55	210889	16.00
Client Sample						
BKS109708	1152789	10.56	140142	22.06	378034	16.50
BLK109708	1003206	10.56	110225	22.05	359787	16.50
OUI-EB01-050709	1395941	10.56	65216	22.06	530832	16.50
OUI-FB050709	1404839	10.56	105668	22.06	519990	16.50

ACNPD10 = acenaphthene-d1(
CHRYSENED12 = Chrysene-d12
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d8
PERYD12 = Perylene-d12
PHAND10 = phenanthrene-d1(

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

B. Sample Data

1. TCL Results
2. Tentatively Identified Compounds
3. Quantitation Report and Reconstructed Total
4. Mass Spectra for Identified TCL Compounds
5. Library Search Mass Spectra for Tentatively Identified Compounds
6. Quantitation/Calibration of Tentatively Identified Compounds

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-017-1/2
Sample Volume :	900	Lab File ID :	P42314.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	0.22	U
83-32-9	Acenaphthene	0.22	U
208-96-8	Acenaphthylene	0.22	U
120-12-7	Anthracene	0.22	U
56-55-3	Benzo[a]anthracene	0.22	U
50-32-8	Benzo[a]pyrene	0.22	U
205-99-2	Benzo[b]fluoranthene	0.22	U
191-24-2	Benzo[g,h,i]perylene	0.22	U
207-08-9	Benzo[k]fluoranthene	0.22	U
218-01-9	Chrysene	0.22	U
53-70-3	Dibenz[a,h]anthracene	0.22	U
206-44-0	Fluoranthene	0.22	U
86-73-7	Fluorene	0.22	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.22	U
91-20-3	Naphthalene	0.22	U
85-01-8	Phenanthrene	0.22	U
129-00-0	Pyrene	0.22	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42314.D Vial: 9
Acq On : 11 May 2009 17:44 Operator: JI
Sample : 905070-001-017-1/2 Inst : GC/MS-P
Misc : OU1-FB050709 , CH2MHILL, WATER HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:59 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	501432	4.00	ug/ml	0.00
21) Naphthalene-d8	10.56	136	1404839	4.00	ug/ml	0.00
37) Acenaphthene-d10	13.80	164	478502	4.00	ug/ml	0.00
59) Phenanthrene-d10	16.50	188	519990	4.00	ug/ml	0.00
74) Chrysene-d12	20.56	240	216154	4.00	ug/ml	0.00
82) Perylene-d12	22.06	264	105668	4.00	ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/ml	
Spiked Amount 4.000	Range 20 - 118		Recovery	=	0.00%#	
8) Phenol-d5	7.78	99	410	0.00	ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery	=	0.00%#	
22) Nitrobenzene-d5	9.31	82	275324	1.68	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery	=	84.00%	
41) 2-Fluorobiphenyl	12.59	172	290582	1.43	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	=	71.50%	
58) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/ml	
Spiked Amount 4.000	Range 24 - 177		Recovery	=	0.00%#	
76) Terphenyl-d14	19.29	244	130867	2.81	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	140.50%#	

Target Compounds Qvalue

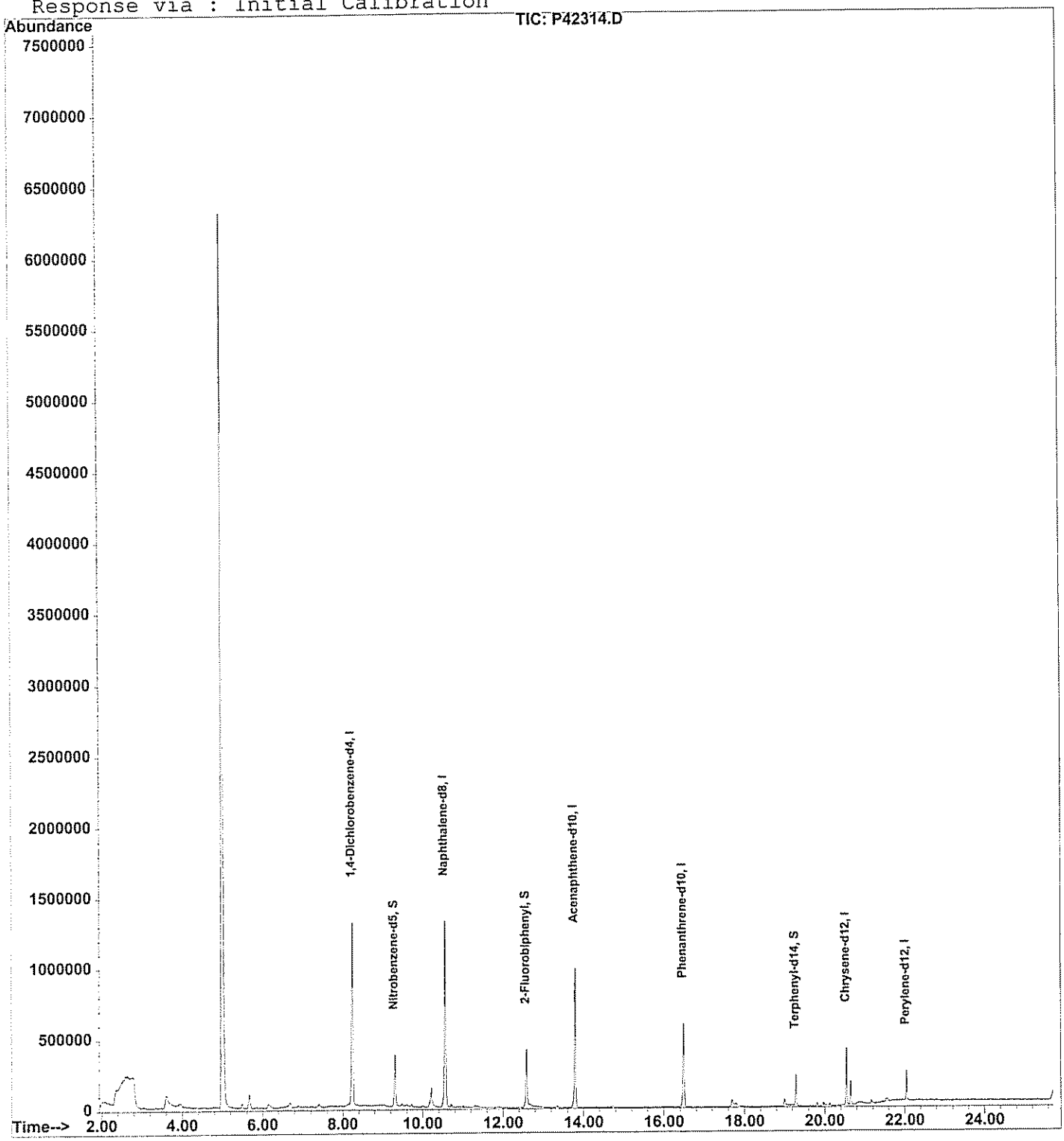
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42314.D
Acq On : 11 May 2009 17:44
Sample : 905070-001-017-1/2
Misc : OU1-FB050709 , CH2MHILL, WATER HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 7:59 2009

Vial: 9
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue May 12 08:46:02 2009
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-019-1/2
Sample Volume :	900	Lab File ID :	P42315.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	0.22	U
83-32-9	Acenaphthene	0.22	U
208-96-8	Acenaphthylene	0.22	U
120-12-7	Anthracene	0.22	U
56-55-3	Benzo[a]anthracene	0.22	U
50-32-8	Benzo[a]pyrene	0.22	U
205-99-2	Benzo[b]fluoranthene	0.22	U
191-24-2	Benzo[g,h,i]perylene	0.22	U
207-08-9	Benzo[k]fluoranthene	0.22	U
218-01-9	Chrysene	0.22	U
53-70-3	Dibenz[a,h]anthracene	0.22	U
206-44-0	Fluoranthene	0.22	U
86-73-7	Fluorene	0.22	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.22	U
91-20-3	Naphthalene	0.22	U
85-01-8	Phenanthrene	0.22	U
129-00-0	Pyrene	0.22	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42315.D
Acq On : 11 May 2009 18:19
Sample : 905070-002-019-1/2
Misc : OU1-EB01-050709 , CH2MHILL, WATER HP#P
MS Integration Params: rteint.p
Quant Time: May 12 7:59 2009

Vial: 10
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	508145	4.00	ug/ml	0.00
21) Naphthalene-d8	10.56	136	1395941	4.00	ug/ml	0.00
37) Acenaphthene-d10	13.80	164	467302	4.00	ug/ml	0.00
59) Phenanthrene-d10	16.50	188	530832	4.00	ug/ml	0.00
74) Chrysene-d12	20.56	240	249993	4.00	ug/ml	0.00
82) Perylene-d12	22.06	264	65216	4.00	ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/ml	
Spiked Amount 4.000	Range 20 - 118		Recovery	=	0.00%#	
8) Phenol-d5	0.00	99	0	0.00	ug/ml	
Spiked Amount 4.000	Range 29 - 133		Recovery	=	0.00%#	
22) Nitrobenzene-d5	9.31	82	260444	1.60	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery	=	80.00%	
41) 2-Fluorobiphenyl	12.59	172	289090	1.45	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	=	72.50%	
58) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/ml	
Spiked Amount 4.000	Range 24 - 177		Recovery	=	0.00%#	
76) Terphenyl-d14	19.29	244	140474	2.61	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	130.50%	

Target Compounds Qvalue

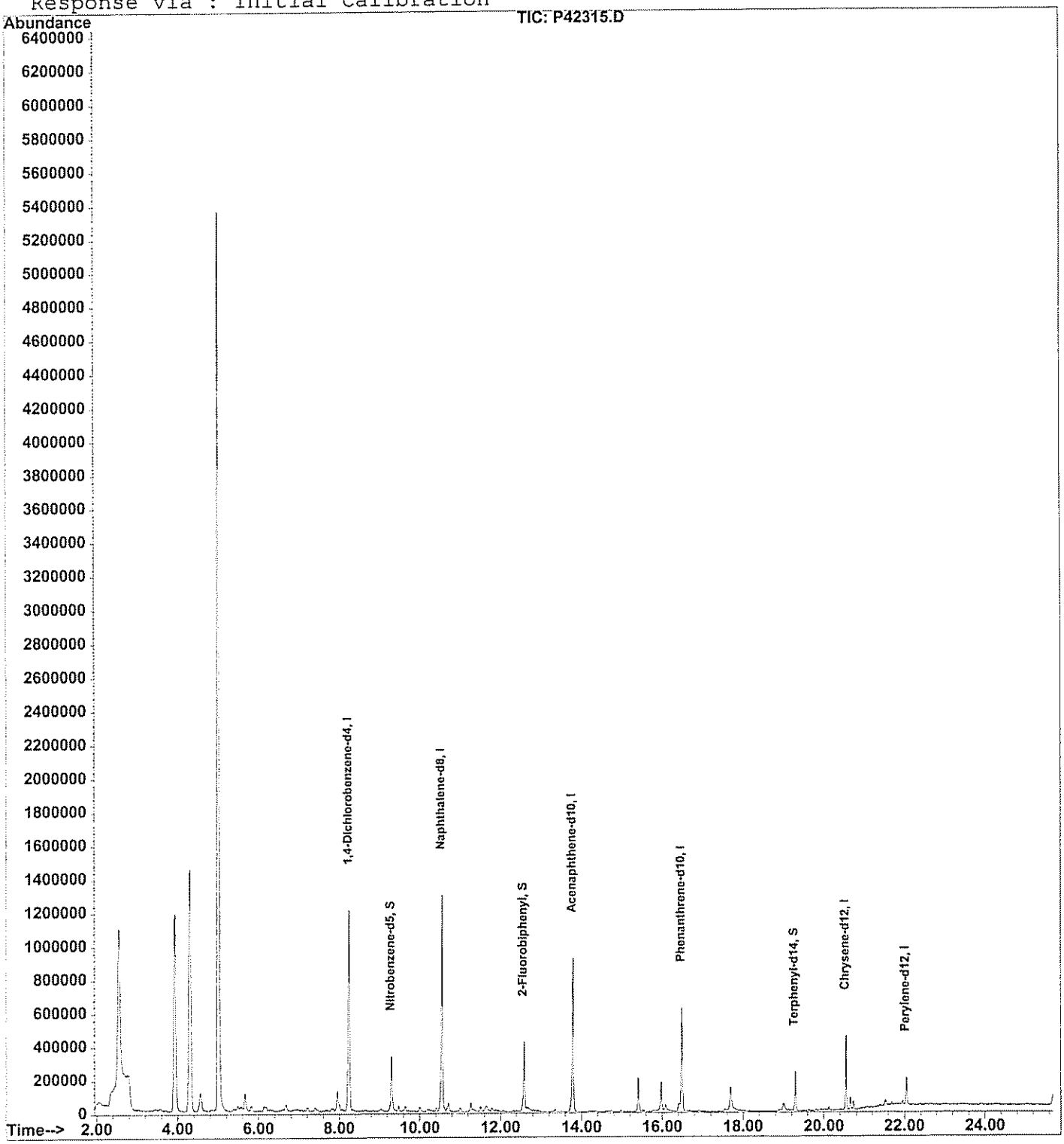
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42315.D
Acq On : 11 May 2009 18:19
Sample : 905070-002-019-1/2
Misc : OU1-EB01-050709 , CH2MHILL, WATER HP#P
MS Integration Params: rteint.p
Quant Time: May 12 7:59 2009

Vial: 10
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue May 12 08:46:02 2009
Response via : Initial Calibration



C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report GC/MS-P

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:02:48 2009
Response via : Initial Calibration

Calibration Files
5 =P41733.D 1 =P41732.D 2.5 =P41728.D
.5 =P41731.D 20 =P41729.D .2 =P41730.D

		Compound	5	1	2.5	.5	20	.2	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)	T	N-Nitrosodimethylam	1.562	1.581	1.618	1.554	1.536	1.522	1.551	2.72
3)	T	Pyridine	2.701	2.709	2.777	2.719	2.730	2.943	2.758	3.09
4)	S	2-Fluorophenol	2.013	2.248	2.149	2.197	1.562	2.277	2.042	12.64
5)	T	Benzaldehyde	1.011	0.938	0.619	0.910	0.825	0.972	0.905	16.17
6)	T	Aniline	0.791	0.963	1.069	0.967		0.839	0.888	15.24
7)	T	bis(2-Chloroethyl)e	1.109	1.229	1.336	1.274	1.252	1.239	1.210	8.54
8)	S	Phenol-d5	1.701	2.128	2.149	2.212		2.176	2.074	10.14
9)	MC	Phenol	1.656	2.061	2.099	2.189		2.198	2.041	10.91
10)	M	2-Chlorophenol	1.236	1.529	1.479	1.559		1.610	1.412	15.31
11)	T	1,3-Dichlorobenzene	1.662	1.684	1.657	1.705	1.640	1.765	1.673	3.17
12)	MC	1,4-Dichlorobenzene	1.577	1.687	1.657	1.697	1.366	1.842	1.623	9.26
13)	T	1,2-Dichlorobenzene	1.387	1.482	1.521	1.573	1.262	1.551	1.441	8.46
14)	T	Benzyl alcohol	0.603	0.751	0.892	0.750	0.736	0.634	0.706	15.45
15)	T	2,2-oxybis(1-chloro	2.264	2.563	2.745	2.705	2.398	2.967	2.544	11.24
16)	T	2-Methylphenol	0.915	1.156	1.245	1.266		1.300	1.176	13.23
17)	T	Acetophenone	1.178	1.479	1.750	1.642	1.330	1.675	1.443	18.51
18)	T	Hexachloroethane	0.560	0.569	0.587	0.572	0.546	0.652	0.579	5.94
19)	MP	N-Nitroso-di-n-prop	0.648	0.757	1.067	0.924	0.853	0.843	0.809	20.80
20)	T	4-Methylphenol	0.874	1.157	1.266	1.270		1.200	1.154	14.15
21)	I	Naphthalene-d8	ISTD							
22)	S	Nitrobenzene-d5	0.489	0.496	0.476	0.474	0.436	0.414	0.466	6.41
23)	T	Nitrobenzene	0.479	0.465	0.475	0.481	0.435	0.463	0.466	3.30
24)	T	Isophorone	0.621	0.636	0.839	0.708	0.748	0.686	0.692	11.87
25)	TC	2-Nitrophenol	0.205	0.211	0.214	0.209	0.149	0.188	0.197	11.43
26)	T	2,4-Dimethylphenol	0.337	0.372	0.381	0.407		0.406	0.369	10.39
27)	T	Benzoic Acid	0.200	0.162	0.247	0.171			0.197	17.05
28)	T	bis(2-Chloroethoxy)	0.456	0.486	0.521	0.512	0.433	0.465	0.474	7.18
29)	TC	2,4-Dichlorophenol	0.264	0.294	0.291	0.295	0.188	0.283	0.266	14.60
30)	M	1,2,4-Trichlorobenz	0.346	0.327	0.327	0.331	0.293	0.335	0.331	5.98
31)	T	Naphthalene	1.061	1.099	1.061	1.066	0.942	1.082	1.048	4.96
32)	T	4-Chloroaniline	0.359	0.390	0.428	0.391	0.370	0.303	0.369	10.91
33)	TC	Hexachlorobutadiene	0.188	0.175	0.165	0.166	0.152	0.175	0.173	7.40
34)	T	Caprolactam	0.051	0.055	0.098	0.059	0.095	0.033	0.064	37.34
35)	MC	4-Chloro-3-methylph	0.188	0.212	0.249	0.226	0.176	0.207	0.204	13.86
36)	T	2-Methylnaphthalene	0.483	0.525	0.570	0.523	0.464	0.538	0.508	8.48
37)	I	Acenaphthene-d10	ISTD							
38)	TP	Hexachlorocyclopent	0.568	0.460	0.413	0.432	0.416	0.425	0.468	14.69
39)	TC	2,4,6-Trichlorophen	0.500	0.482	0.414	0.486	0.344	0.441	0.442	12.27
40)	T	2,4,5-Trichlorophen	0.463	0.478	0.446	0.546		0.448	0.473	7.95
41)	S	2-Fluorobiphenyl	1.872	1.827	1.536	1.761	1.350	1.855	1.701	11.34
42)	T	1,1-Biphenyl	2.063	2.001	1.775	2.022	1.532	1.765	1.863	10.07

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC/MS-P

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:02:48 2009
Response via : Initial Calibration

Calibration Files
5 =P41733.D 1 =P41732.D 2.5 =P41728.D
.5 =P41731.D 20 =P41729.D .2 =P41730.D

		Compound	5	1	2.5	.5	20	.2	Avg	%RSD
43)	T	2-Chloronaphthalene	1.520	1.578	1.352	1.518	1.176	1.460	1.437	9.41
44)	T	2-Nitroaniline	0.439	0.379	0.463	0.378		0.289	0.395	15.61
45)	T	Acenaphthylene	2.090	2.018	2.037	2.113	1.786	1.807	1.968	6.69
46)	T	Dimethylphthalate	1.146	1.172	1.274	1.188	1.243	1.052	1.173	6.20
47)	T	2,6-Dinitrotoluene	0.244	0.196	0.271	0.197	0.295	0.138	0.228	23.49
48)	MC	Acenaphthene	1.231	1.182	1.159	1.238	1.040	1.079	1.150	6.47
49)	T	3-Nitroaniline	0.286	0.253	0.320	0.240		0.134	0.253	25.52
50)	TP	2,4-Dinitrophenol	0.111	0.064	0.092	0.034	0.172		0.101	48.71
51)	T	Dibenzofuran	1.514	1.593	1.586	1.598	1.366	1.614	1.524	6.73
52)	M	2,4-Dinitrotoluene	0.300	0.260	0.305	0.205			0.273	15.34
53)	MP	4-Nitrophenol	0.103	0.106	0.121	0.089	0.122	0.063	0.102	20.40
54)	T	Fluorene	1.027	1.089	1.121	1.031	0.943	0.993	1.030	5.78
55)	T	4-Chlorophenyl-phen	0.499	0.475	0.494	0.452	0.438	0.468	0.469	4.77
56)	T	Diethylphthalate	0.949	0.947	1.043	0.912	1.025	0.894	0.957	5.87
57)	T	4-Nitroaniline	0.201	0.232	0.240	0.183	0.274		0.227	14.03
58)	S	2,4,6-Tribromopheno	0.140	0.138	0.145	0.127	0.119	0.107	0.130	10.48
59)	I	Phenanthrene-d10	----------ISTD----------							
60)	T	1,2,4,5-Tetrachlorb	0.879	0.758	0.598	0.812		0.786	0.777	12.44
61)	T	4,6-Dinitro-2-methy	0.145	0.087	0.121	0.066	0.150		0.121	30.76
62)	TC	n-Nitrosodiphenylam	0.684	0.601	0.687	0.594	0.548	0.619	0.625	8.03
63)	T	1,2-Diphenylhydrazi	1.440	1.225	1.368	1.329	1.098	1.239	1.281	8.66
64)	T	4-Bromophenyl-pheny	0.218	0.203	0.199	0.191	0.181	0.174	0.195	7.48
65)	T	Hexachlorobenzene	0.281	0.249	0.264	0.241	0.229	0.221	0.248	8.22
66)	T	Atrazine	0.189	0.171	0.182	0.156	0.163	0.163	0.174	8.05
67)	MC	Pentachlorophenol	0.164	0.137	0.159	0.118	0.121		0.144	15.02
68)	T	Pentachloronitroben	0.068	0.048	0.065	0.041	0.069		0.060	21.03
69)	T	Phenanthrene	1.112	1.103	1.109	1.003	0.973	1.136	1.069	5.80
70)	T	Anthracene	1.092	1.053	1.184	1.110	0.948	1.001	1.064	7.17
71)	T	Carbazole	0.968	0.962	1.053	0.892	0.814	0.813	0.906	10.08
72)	T	Di-n-butylphthalate	1.263	1.079	1.233	1.063	1.204	1.085	1.172	7.99
73)	TC	Fluoranthene	0.969	0.955	0.955	0.805	0.879	0.826	0.913	8.34
74)	I	Chrysene-d12	----------ISTD----------							
75)	M	Pyrene	1.386	1.293	1.463	1.429	1.317	1.418	1.355	7.30
76)	S	Terphenyl-d14	0.909	0.813	0.913	0.889	0.860	0.878	0.861	6.27
77)	T	Butylbenzylphthalat	0.710	0.559	0.704	0.598	0.725	0.739	0.672	10.23
78)	T	3,3-Dichlorobenzidi	0.407	0.372	0.376	0.342	0.296	0.374	0.364	9.77
79)	T	Benzo[a]anthracene	1.239	1.196	1.215	1.126	1.019	1.245	1.161	7.44
80)	T	Chrysene	1.056	1.046	1.170	1.087	0.966	1.077	1.073	5.79
81)	T	bis(2-Ethylhexyl)ph	1.026	0.858	1.015	0.866	0.953	1.102	0.964	9.26
82)	I	Perylene-d12	----------ISTD----------							
83)	TC	Di-n-octylphthalate	2.359	1.528	3.160	1.838	2.752	2.693	2.313	25.59
84)	T	Benzo[b]fluoranthen	1.910	1.553	2.226	1.727	1.525	1.856	1.782	13.57

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC/MS-P

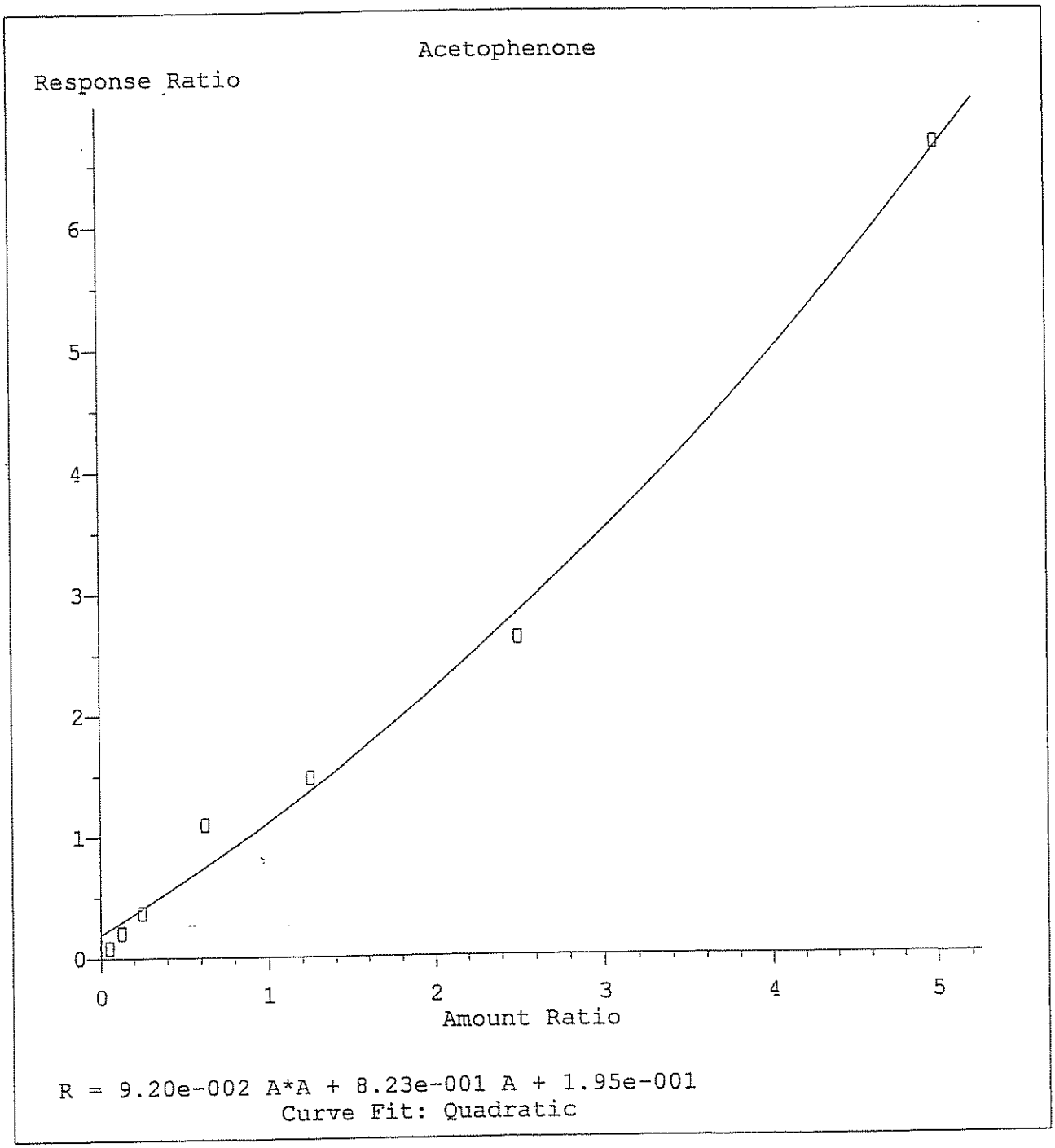
Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:02:48 2009
Response via : Initial Calibration

Calibration Files

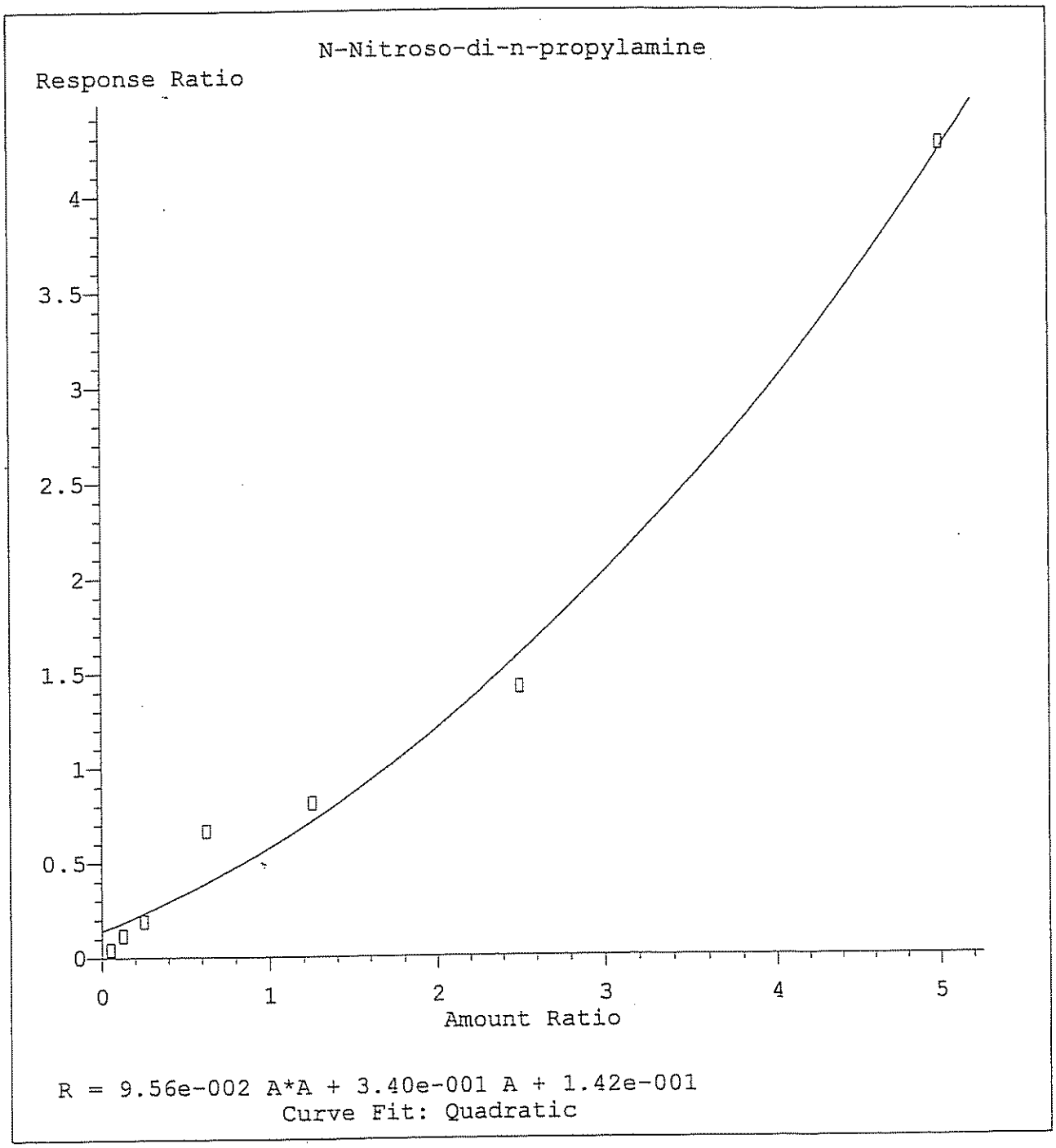
5	=P41733.D	1	=P41732.D	2.5	=P41728.D
.5	=P41731.D	20	=P41729.D	.2	=P41730.D

		Compound	5	1	2.5	.5	20	.2	Avg	%RSD
85)	T	Benzo[k]fluoranthen	1.402	1.405	2.014	1.224	1.470	1.338	1.443	18.49
86)	TC	Benzo[a]pyrene	1.541	1.319	1.915	1.412	1.368	1.426	1.483	13.63
87)	T	Indeno[1,2,3-cd]pyr	1.624	1.488	1.784	1.302	1.372	1.488	1.550	12.34
88)	T	Dibenz[a,h]anthrace	1.382	1.277	1.527	0.950		1.194	1.305	16.49
89)	T	Benzo[g,h,i]perylen	1.454	1.361	1.526	1.104	1.204	1.241	1.365	14.46

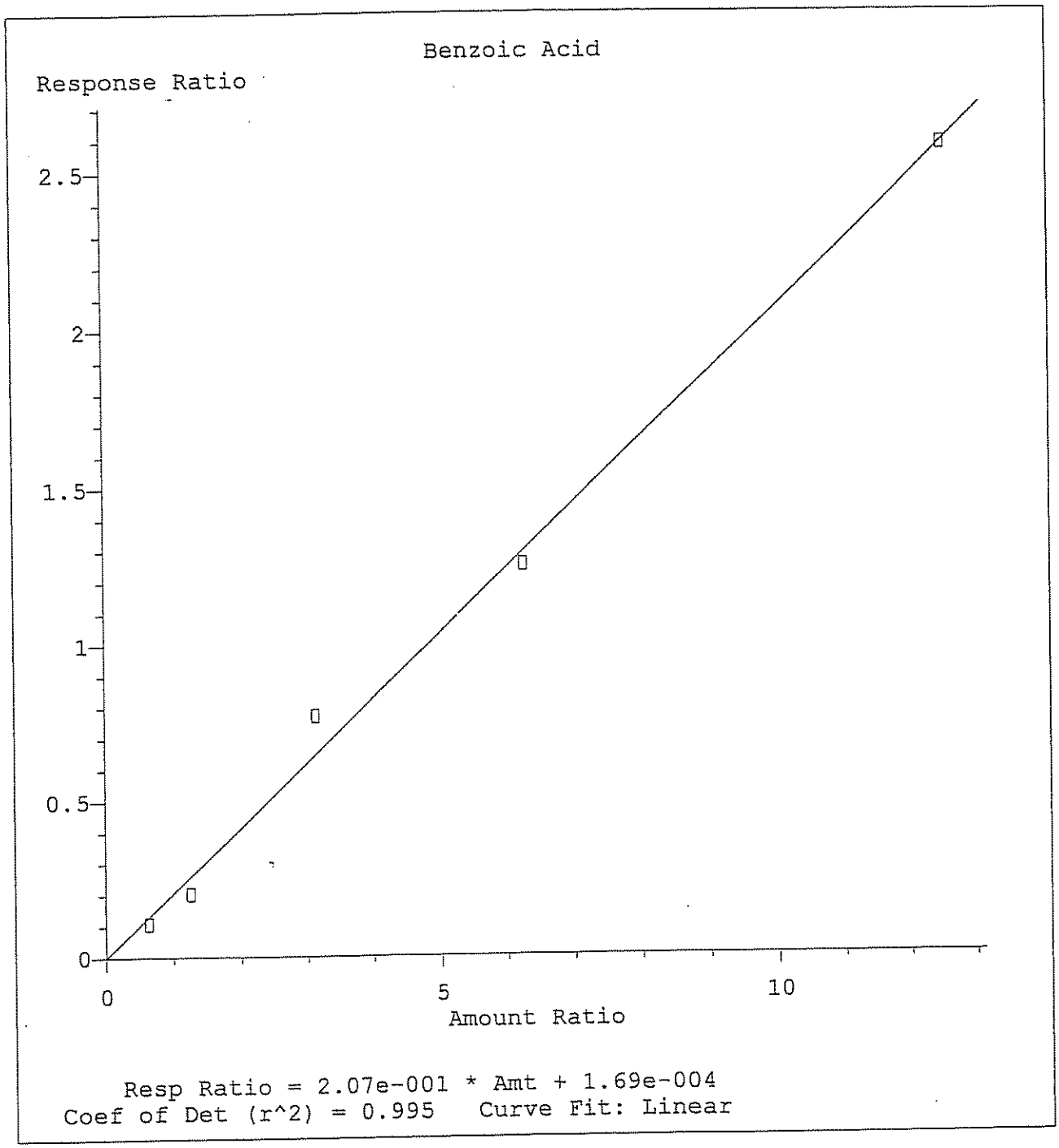
(#) = Out of Range ### Number of calibration levels exceeded format ###



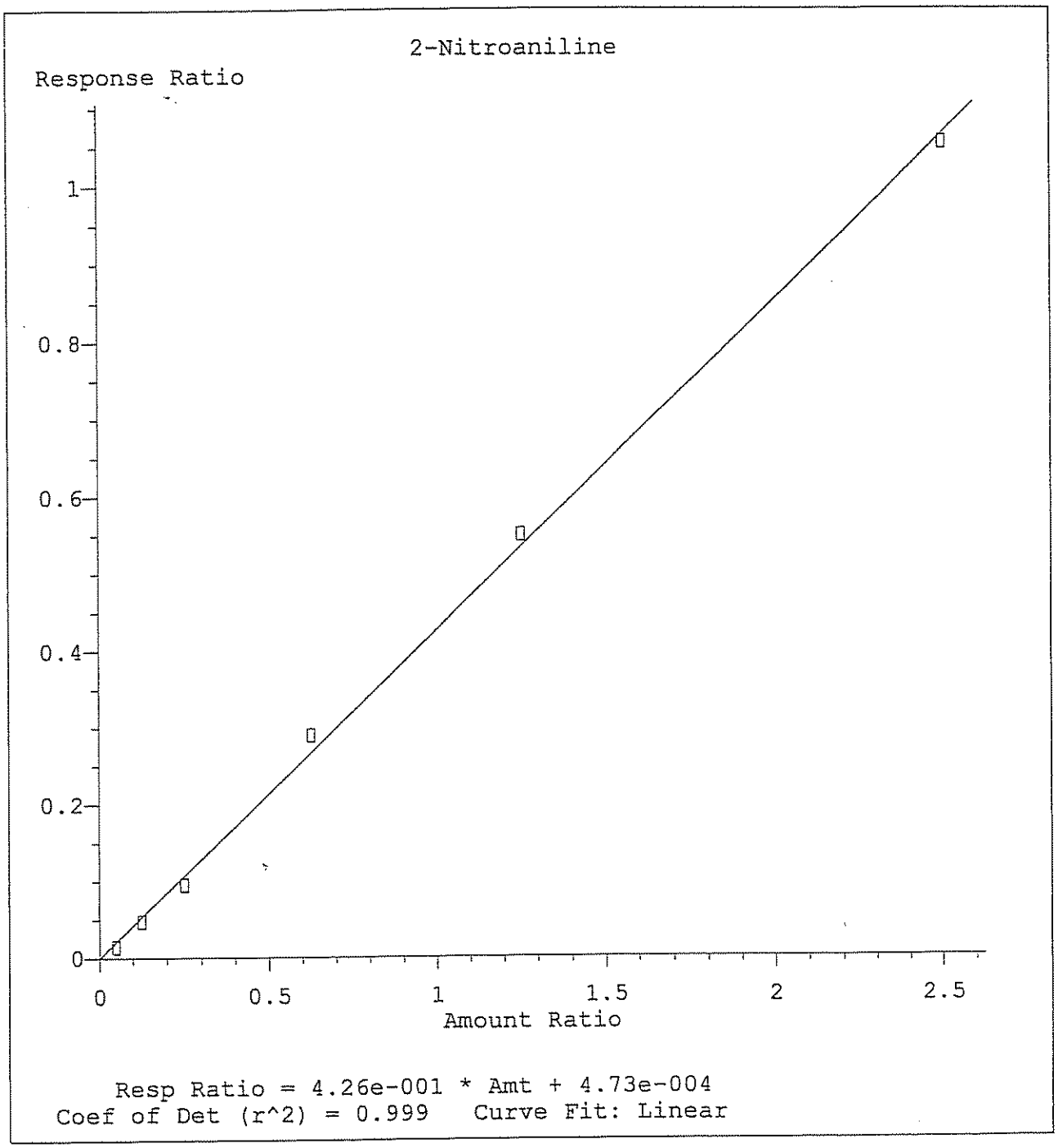
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:19:53 2009



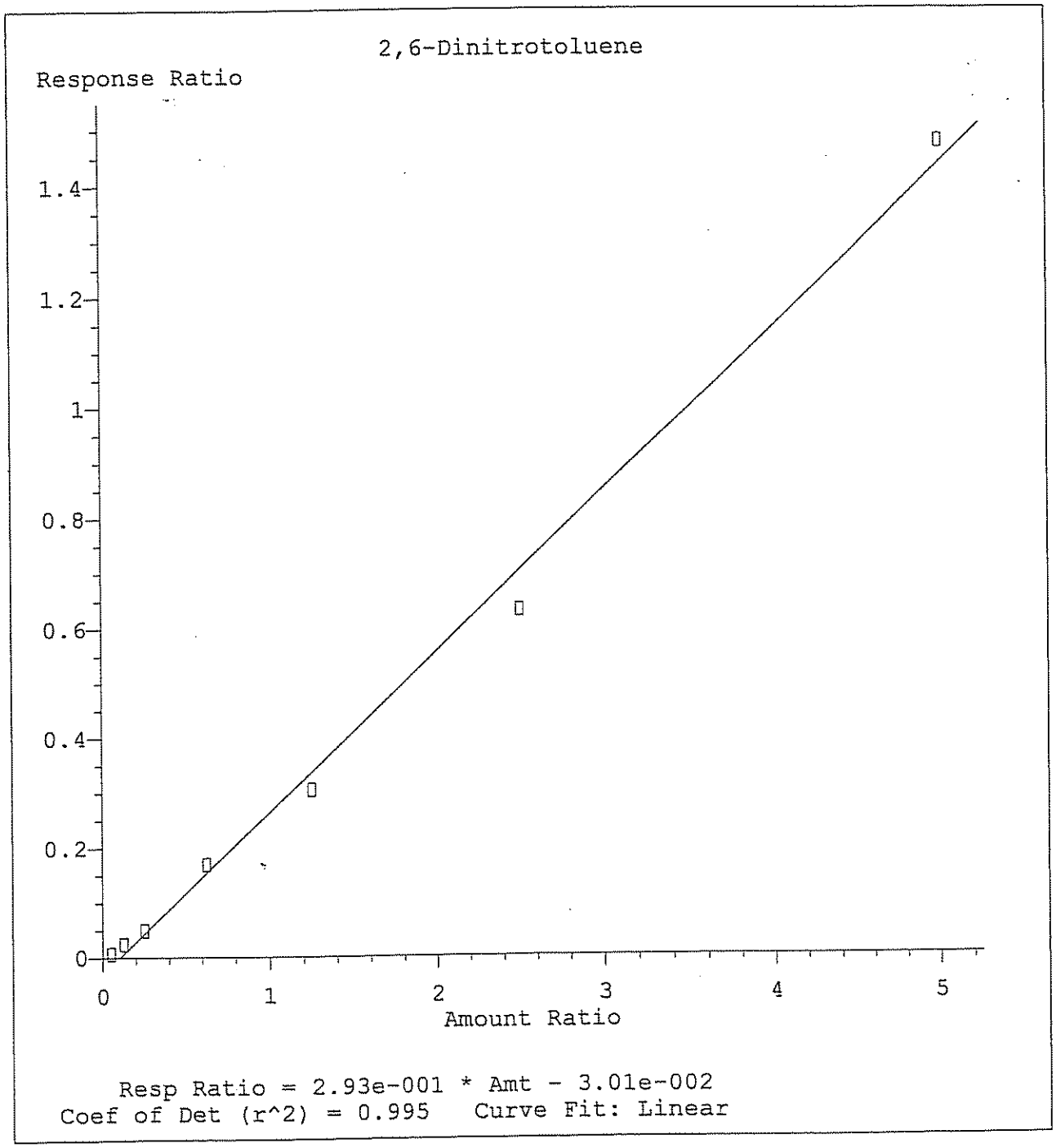
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:20:45 2009



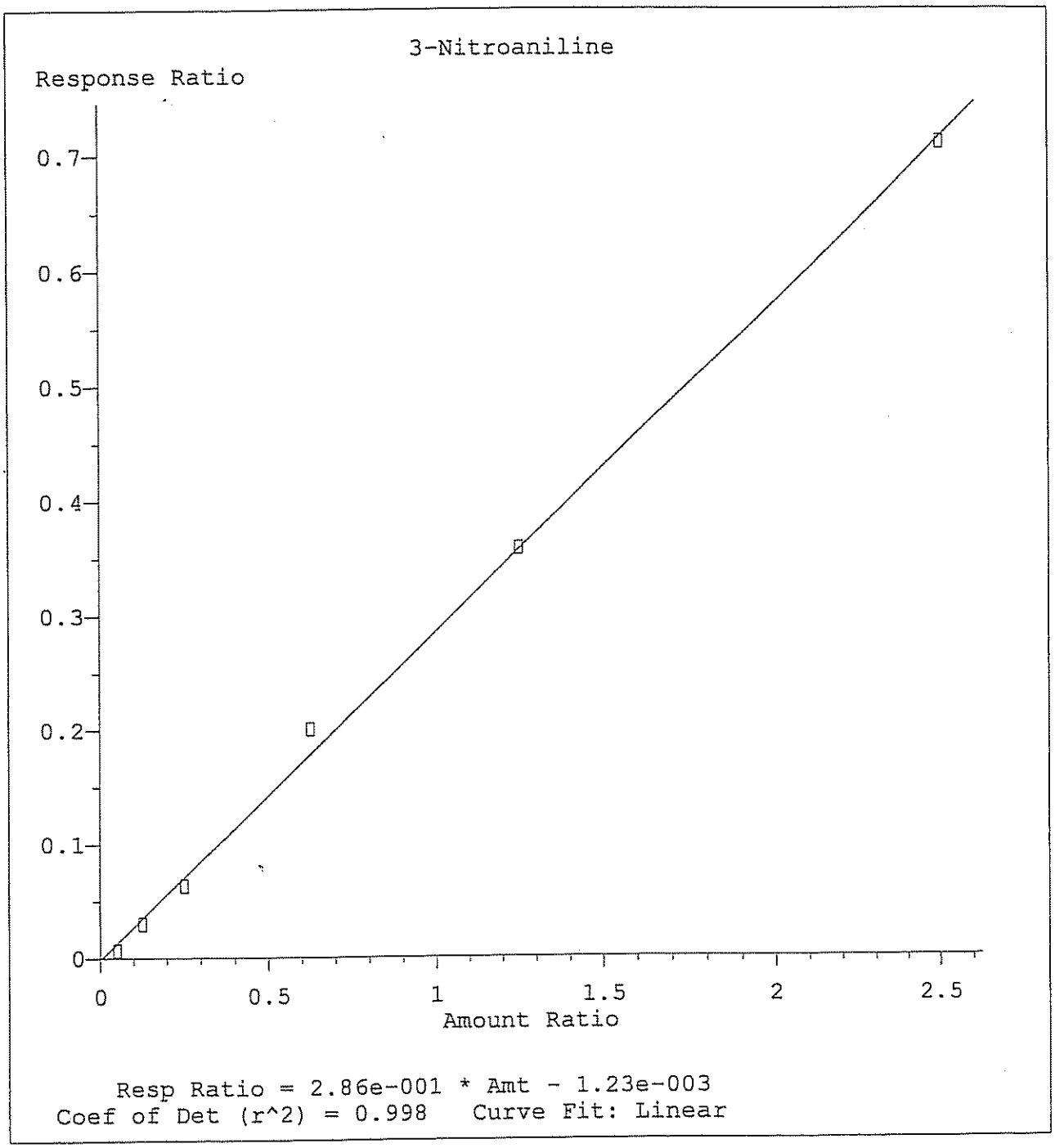
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:21:53 2009



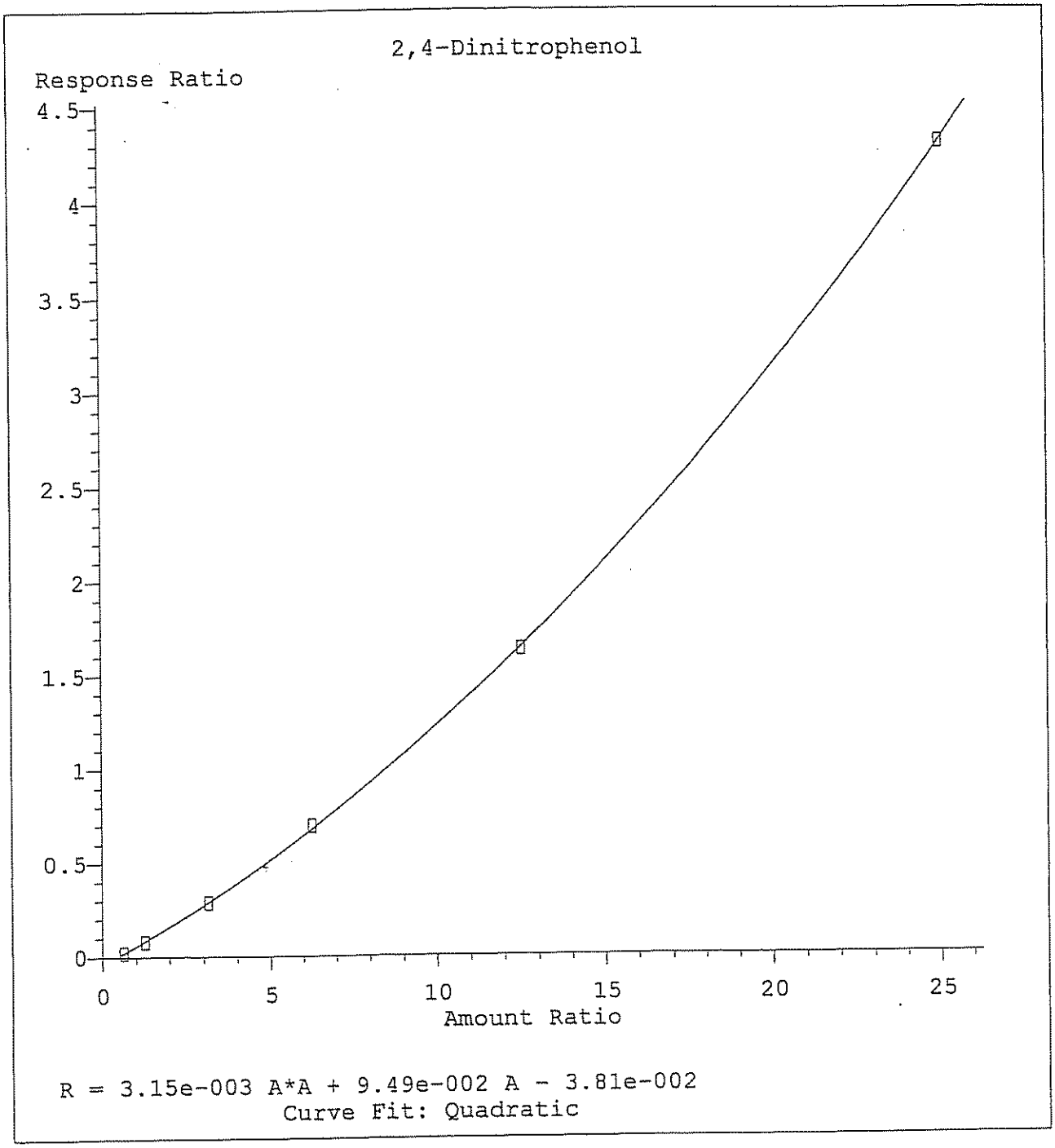
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:24:11 2009



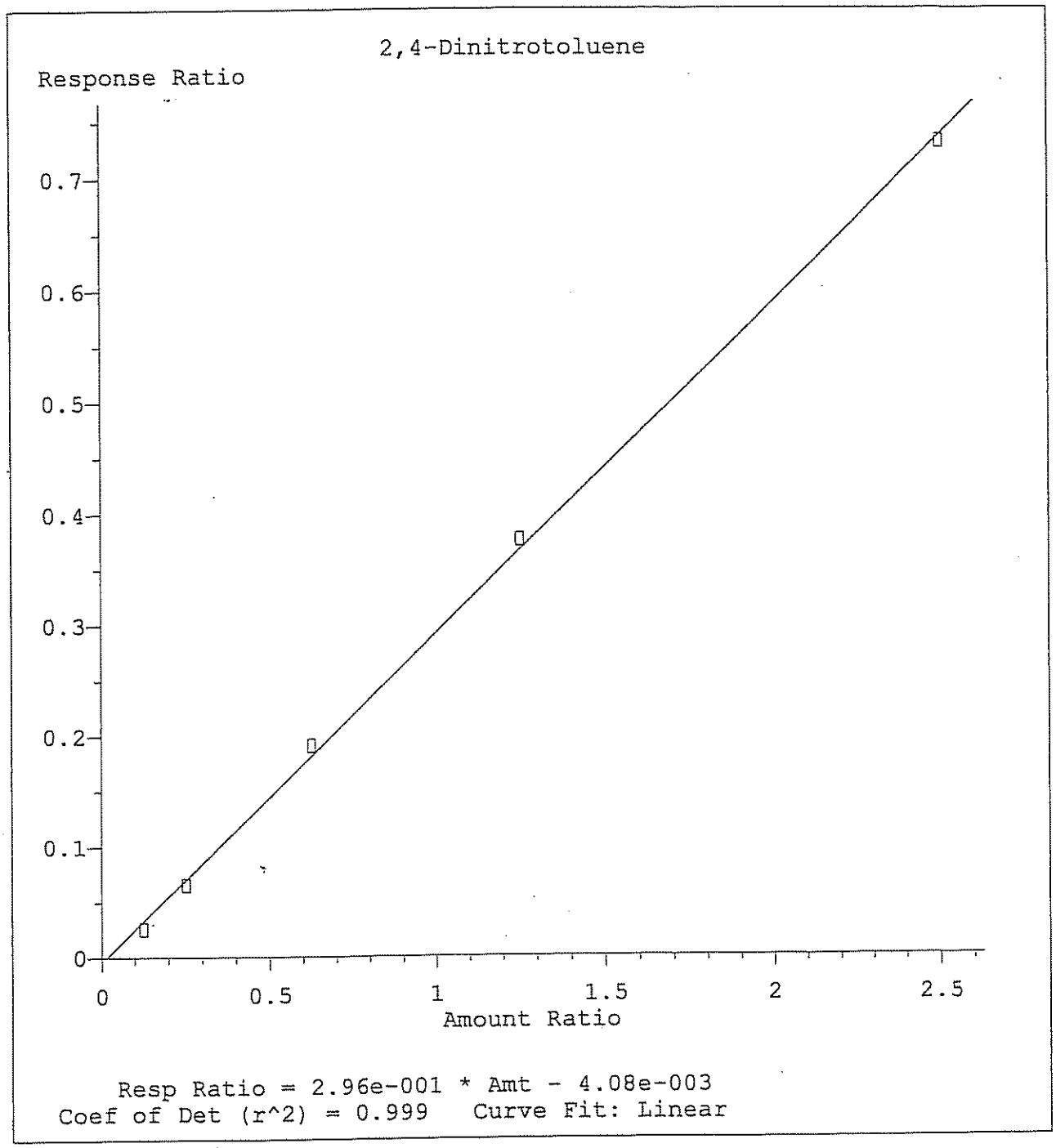
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:25:15 2009



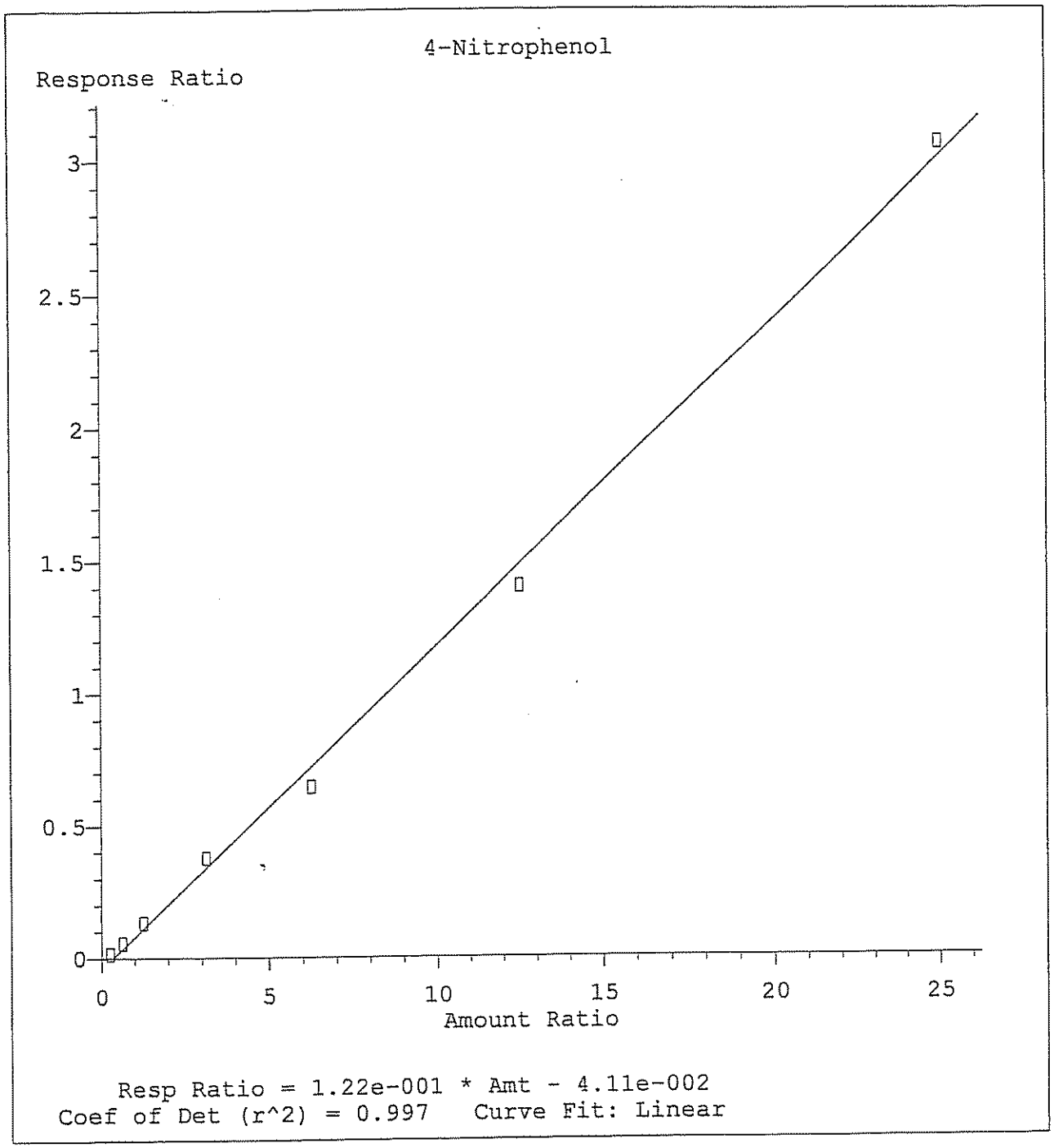
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:25:43 2009



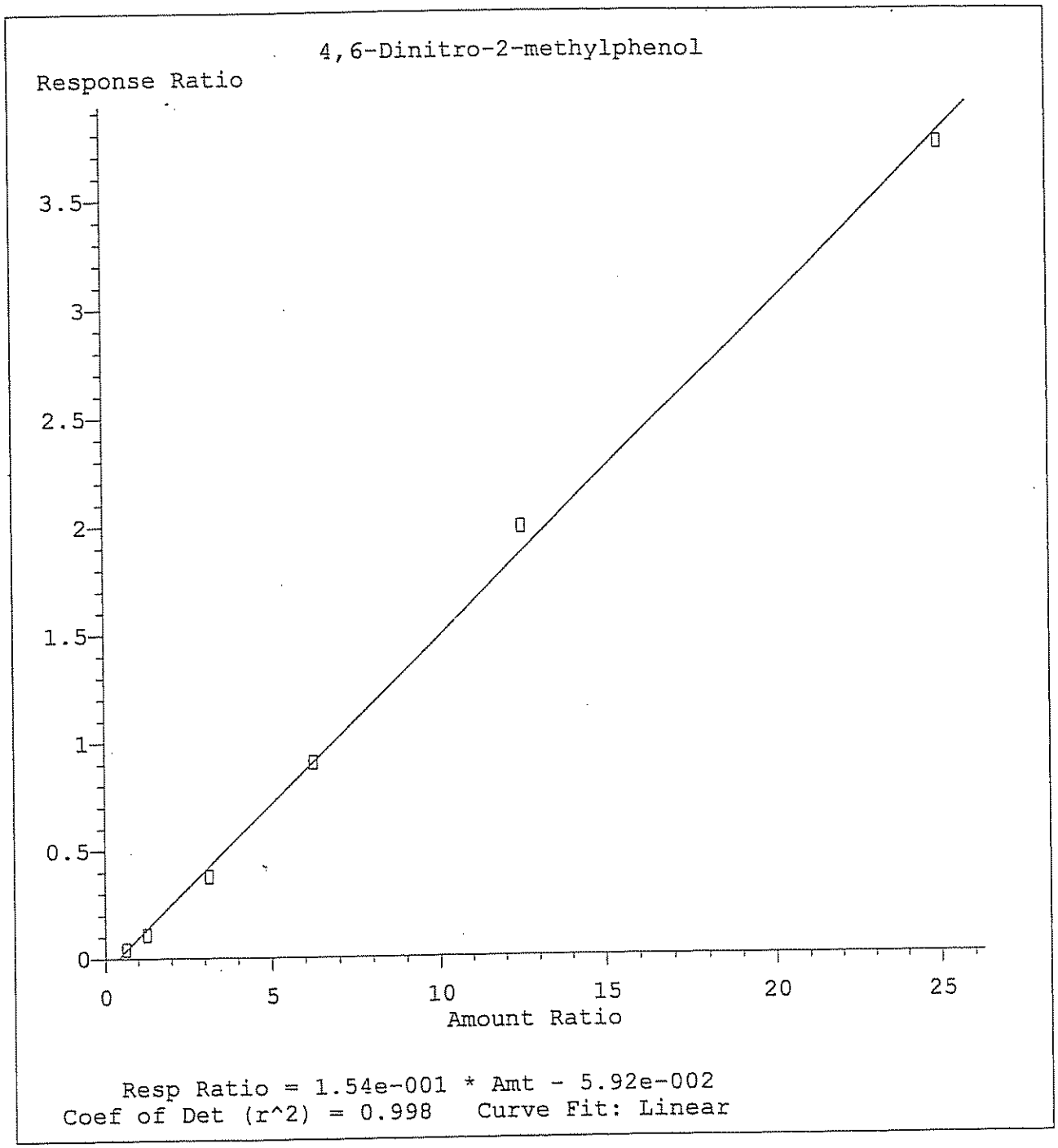
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:26:10 2009



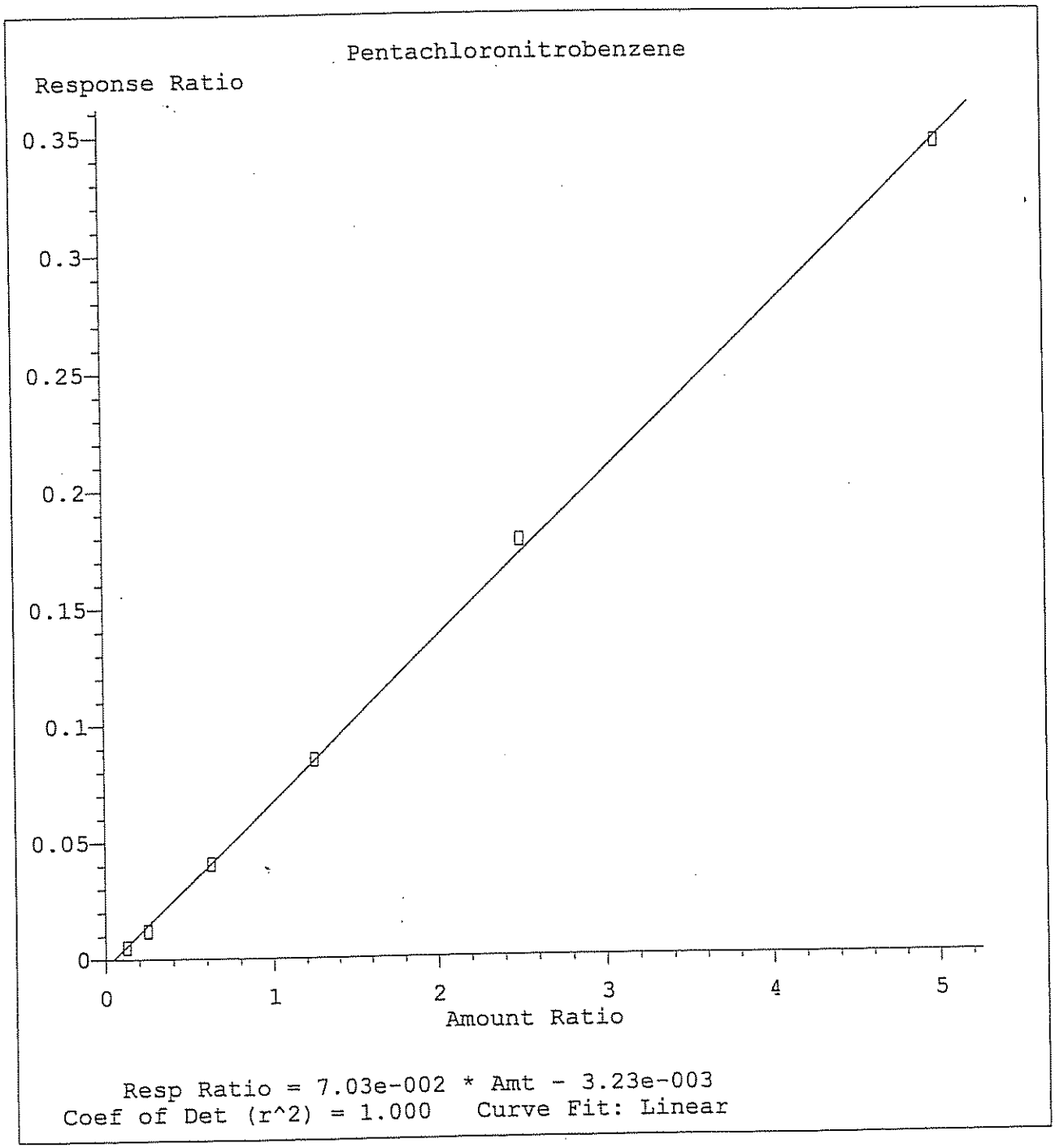
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:26:27 2009



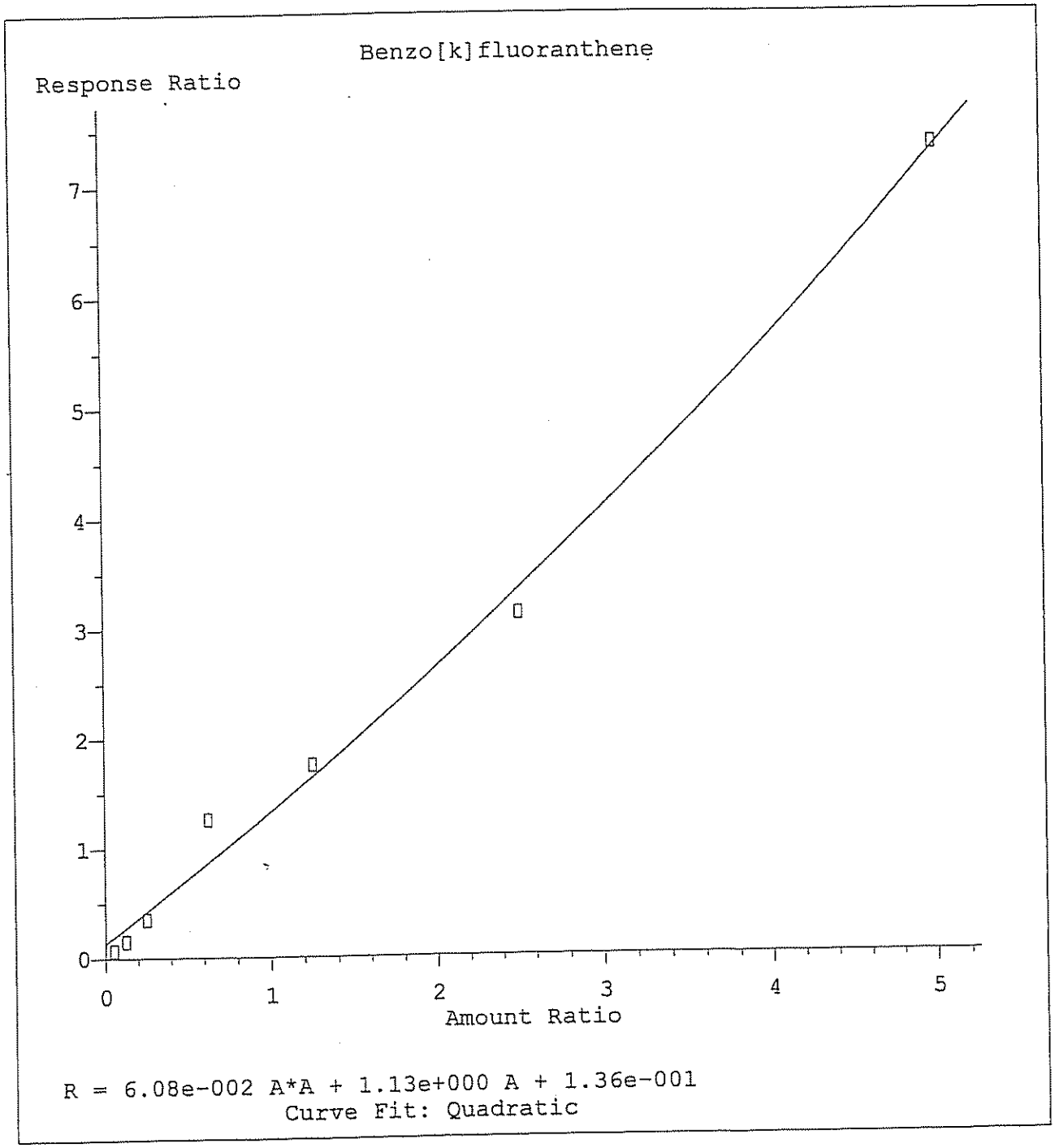
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:27:06 2009



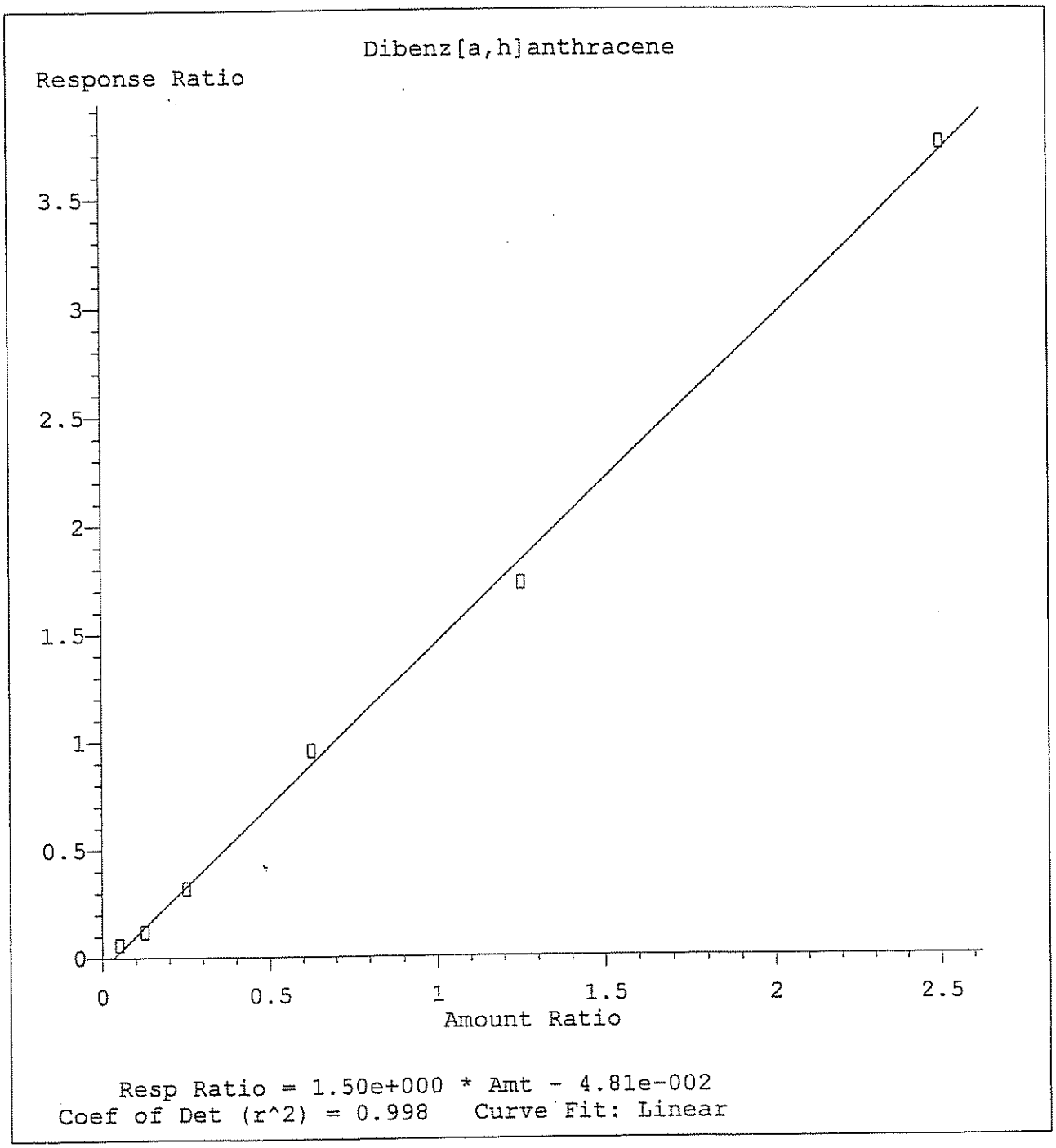
Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:28:00 2009



Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:28:20 2009



Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:28:56 2009



Method Name: C:\HPCHEM\1\METHODS\L8270GT1.M
Calibration Table Last Updated: Thu Apr 09 14:30:08 2009

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41728.D
Acq On : 9 Apr 2009 9:30
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 11:34 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.00	152	207511	4.00 ug/ml	0.00
21) Naphthalene-d8	12.31	136	582309	4.00 ug/ml	0.00
37) Acenaphthene-d10	15.60	164	192344	4.00 ug/ml	0.00
59) Phenanthrene-d10	18.35	188	212863	4.00 ug/ml	0.00
74) Chrysene-d12	21.85	240	140658	4.00 ug/ml	0.00
82) Perylene-d12	24.16	264	66177	4.00 ug/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	7.76	112	1393563	16.91 ug/ml	0.00
Spiked Amount 4.000	Range 20 - 118		Recovery = 422.75%#		
8) Phenol-d5	9.39	99	1393850	16.04 ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery = 401.00%#		
22) Nitrobenzene-d5	11.04	82	173273	2.83 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery = 141.50%#		
41) 2-Fluorobiphenyl	14.31	172	184683	2.48 ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 124.00%#		
58) 2,4,6-Tribromophenol	17.10	330	87114	6.46 ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery = 161.50%		
76) Terphenyl-d14	20.60	244	80222	2.09 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 104.50%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	4.75	74	209865	3.63 ug/ml	81
3) Pyridine	4.75	79	360105	3.74 ug/ml	87
5) Benzaldehyde	9.25	77	80262	2.31 ug/ml	92
6) Aniline	9.48	66	138625	3.66 ug/ml	84
7) bis(2-Chloroethyl)ether	9.56	63	173233	3.18 ug/ml	93
9) Phenol	9.42	94	1361214	16.14 ug/ml	98
10) 2-Chlorophenol	9.69	128	958872	14.12 ug/ml	90
11) 1,3-Dichlorobenzene	9.95	146	214952	2.56 ug/ml	98
12) 1,4-Dichlorobenzene	10.04	146	214914	2.66 ug/ml	99
13) 1,2-Dichlorobenzene	10.37	146	197243	2.72 ug/ml	99
14) Benzyl alcohol	10.26	108	115675	3.10 ug/ml	95
15) 2,2-oxybis(1-chloropropane	10.52	45	356021	3.12 ug/ml	99
16) 2-Methylphenol	10.46	108	807316	15.18 ug/ml	95
17) Acetophenone	10.75	105	226965	3.31 ug/ml	88
18) Hexachloroethane	10.93	117	76193	2.52 ug/ml#	80
19) N-Nitroso-di-n-propylamine	10.77	70	138376	3.51 ug/ml	93
20) 4-Methylphenol	10.71	108	821281	14.91 ug/ml	99
23) Nitrobenzene	11.06	77	172906	2.96 ug/ml	86
24) Isophorone	11.47	82	305486	3.16 ug/ml	93
25) 2-Nitrophenol	11.65	139	389273	11.62 ug/ml	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41728.D Vial: 2
Acq On : 9 Apr 2009 9:30 Operator: JI
Sample : SSTD02.5 Inst : GC/MS-P
Misc : SSTD02.5 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 11:34 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	11.67	107	692617	13.52 ug/ml	95
27) Benzoic Acid	11.84	105	448903	12.07 ug/ml	97
28) bis(2-Chloroethoxy)methane	11.85	93	189656	2.91 ug/ml	98
29) 2,4-Dichlorophenol	12.05	162	530199	11.41 ug/ml	93
30) 1,2,4-Trichlorobenzene	12.24	180	118833	2.07 ug/ml	98
31) Naphthalene	12.35	128	386205	2.59 ug/ml	97
32) 4-Chloroaniline	12.46	127	155888	2.75 ug/ml	99
33) Hexachlorobutadiene	12.66	225	60111	1.75 ug/ml	98
34) Caprolactam	13.02	113	35510	2.87 ug/ml#	73
35) 4-Chloro-3-methylphenol	13.33	107	453923	12.80 ug/ml	93
36) 2-Methylnaphthalene	13.61	142	207550	2.47 ug/ml	98
38) Hexachlorocyclopentadiene	14.03	237	49612	1.96 ug/ml	95
39) 2,4,6-Trichlorophenol	14.18	196	248814	10.56 ug/ml	100
40) 2,4,5-Trichlorophenol	14.24	196	267782	11.10 ug/ml	98
42) 1,1-Biphenyl	14.48	154	213437	2.69 ug/ml	90
43) 2-Chloronaphthalene	14.51	162	162527	2.58 ug/ml	94
44) 2-Nitroaniline	14.76	65	55681	3.47 ug/ml	92
45) Acenaphthylene	15.31	152	244845	2.75 ug/ml	98
46) Dimethylphthalate	15.12	163	153105	2.58 ug/ml	97
47) 2,6-Dinitrotoluene	15.27	165	32521	2.30 ug/ml	85
48) Acenaphthene	15.65	153	139340	2.70 ug/ml	97
49) 3-Nitroaniline	15.53	138	38501	2.59 ug/ml	85
50) 2,4-Dinitrophenol	15.72	184	55467	4.92 ug/ml#	76
51) Dibenzofuran	15.95	168	190659	2.52 ug/ml	92
52) 2,4-Dinitrotoluene	16.00	165	36670	2.10 ug/ml	82
53) 4-Nitrophenol	15.82	109	72531	13.35 ug/ml#	72
54) Fluorene	16.60	166	134725	2.44 ug/ml	96
55) 4-Chlorophenyl-phenylether	16.58	204	59380	2.06 ug/ml	82
56) Diethylphthalate	16.45	149	125401	2.18 ug/ml	97
57) 4-Nitroaniline	16.69	138	28856	2.18 ug/ml	82
60) 1,2,4,5-Tetrachlorbenzene	13.99	216	79584	2.83 ug/ml	96
61) 4,6-Dinitro-2-methylphenol	16.77	198	80319	8.60 ug/ml	100
62) n-Nitrosodiphenylamine	16.81	169	91401	3.29 ug/ml	97
63) 1,2-Diphenylhydrazine	16.87	77	181967	4.65 ug/ml	80
64) 4-Bromophenyl-phenylether	17.50	248	26437	2.31 ug/ml#	84
65) Hexachlorobenzene	17.80	284	35063	2.06 ug/ml	77
66) Atrazine	17.86	200	24276	2.49 ug/ml	98
67) Pentachlorophenol	18.12	266	105458	9.30 ug/ml	96
68) Pentachloronitrobenzene	18.27	237	8625	2.24 ug/ml#	81
69) Phenanthrene	18.39	178	147503	2.68 ug/ml	96
70) Anthracene	18.46	178	157533	2.88 ug/ml	98
71) Carbazole	18.73	167	140031	2.90 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41728.D
Acq On : 9 Apr 2009 9:30
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 11:34 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

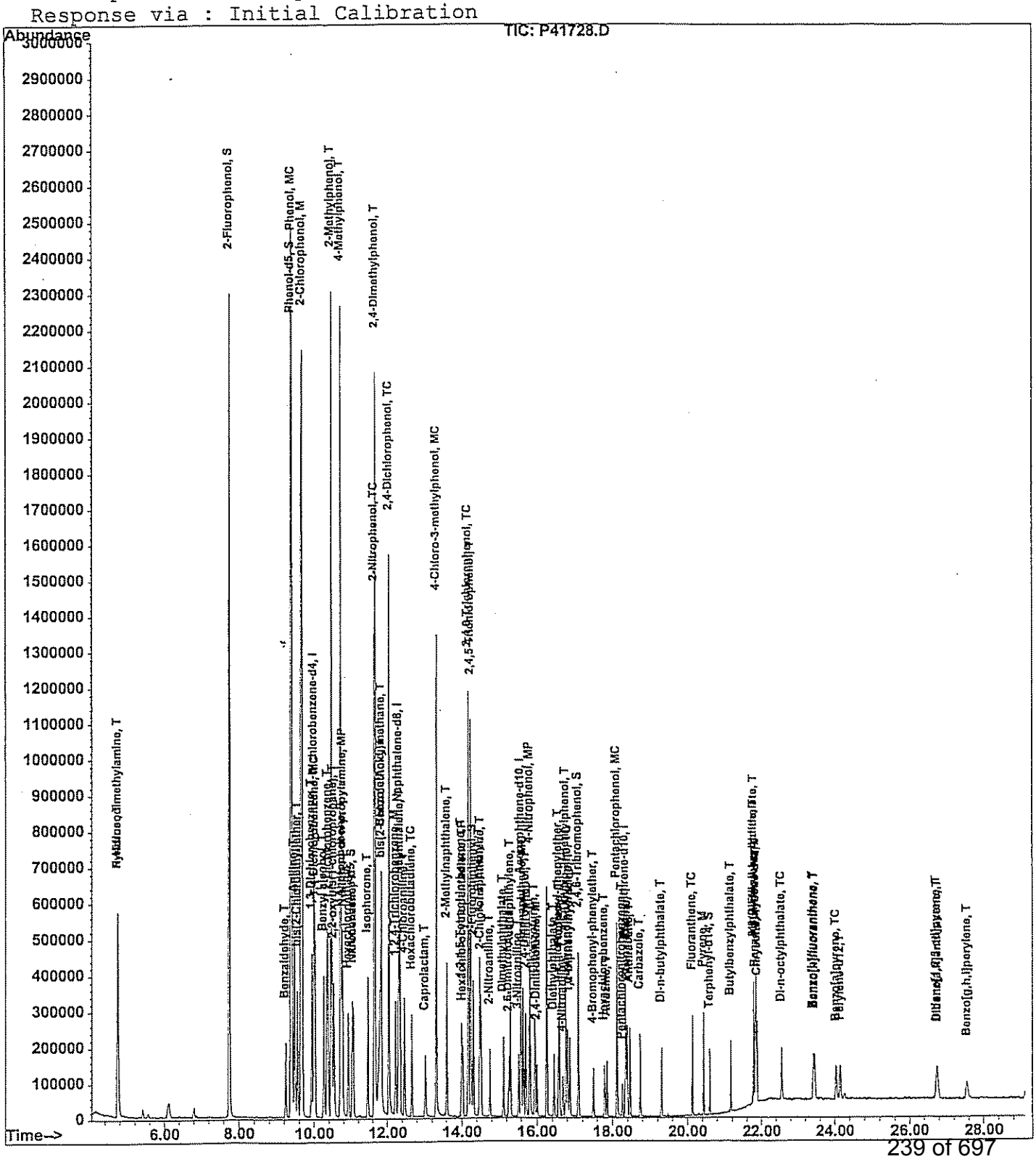
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72) Di-n-butylphthalate	19.31	149	164001	2.78	ug/ml	99
73) Fluoranthene	20.14	202	127009	2.26	ug/ml	82
75) Pyrene	20.43	202	128601	2.35	ug/ml	83
77) Butylbenzylphthalate	21.17	149	61897	2.69	ug/ml	93
78) 3,3-Dichlorobenzidine	21.79	252	33095	2.80	ug/ml	88
79) Benzo[a]anthracene	21.83	228	106852	2.69	ug/ml	99
80) Chrysene	21.89	228	102868	2.74	ug/ml	98
81) bis(2-Ethylhexyl)phthalate	21.79	149	89218	3.21	ug/ml	91
83) Di-n-octylphthalate	22.55	149	130715	4.32	ug/ml	97
84) Benzo[b]fluoranthene	23.41	252	92052	3.58	ug/ml	89
85) Benzo[k]fluoranthene	23.46	252	83286	3.17	ug/ml	95
86) Benzo[a]pyrene	24.04	252	79202	3.67	ug/ml	88
87) Indeno[1,2,3-cd]pyrene	26.74	276	73799	3.76	ug/ml#	55
88) Dibenz[a,h]anthracene	26.76	278	63150	4.01	ug/ml	89
89) Benzo[g,h,i]perylene	27.56	276	63101	3.60	ug/ml	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41728.D Vial: 2
Acq On : 9 Apr 2009 9:30 Operator: JI
Sample : SSTD02.5 Inst : GC/MS-P
Misc : SSTD02.5 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 11:34 2009 Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41729.D Vial: 3
Acq On : 9 Apr 2009 10:05 Operator: JI
Sample : SSTD020 Inst : GC/MS-P
Misc : SSTD020 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 15:25 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.02	152	335220	4.00	ug/ml	0.02
21) Naphthalene-d8	12.32	136	859519	4.00	ug/ml	0.00
37) Acenaphthene-d10	15.60	164	270851	4.00	ug/ml	0.00
59) Phenanthrene-d10	18.36	188	337652	4.00	ug/ml	0.02
74) Chrysene-d12	21.86	240	225742	4.00	ug/ml	0.00
82) Perylene-d12	24.15	264	119864	4.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	7.79	112	13090016	98.35	ug/ml	0.03
Spiked Amount 4.000	Range 20 - 118		Recovery = 2458.75%#			
8) Phenol-d5	0.00	99	0d	0.00	ug/ml	
Spiked Amount 4.000	Range 29 - 133		Recovery = 0.00%#			
22) Nitrobenzene-d5	11.04	82	1874048	20.74	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery = 1037.00%#			
41) 2-Fluorobiphenyl	14.33	172	1827596	17.44	ug/ml	0.02
Spiked Amount 2.000	Range 23 - 110		Recovery = 872.00%#			
58) 2,4,6-Tribromophenol	17.11	330	802694	42.24	ug/ml	0.02
Spiked Amount 4.000	Range 24 - 177		Recovery = 1056.00%#			
76) Terphenyl-d14	20.60	244	970362	15.73	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 786.50%#			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.80	74	2574652	27.56	ug/ml	82
3) Pyridine	4.80	79	4576318	29.40	ug/ml	88
5) Benzaldehyde	9.26	77	1383296	24.67	ug/ml	99
7) bis(2-Chloroethyl)ether	9.59	63	2099306	23.87	ug/ml	86
11) 1,3-Dichlorobenzene	9.95	146	2748031	20.25	ug/ml	99
12) 1,4-Dichlorobenzene	10.04	146	2289458	17.57	ug/ml	97
13) 1,2-Dichlorobenzene	10.38	146	2114783	18.07	ug/ml	98
14) Benzyl alcohol	10.28	108	1233773	20.46	ug/ml	99
15) 2,2-oxybis(1-chloropropane	10.54	45	4019549	21.83	ug/ml	100
17) Acetophenone	10.77	105	2229426	20.11	ug/ml	85
18) Hexachloroethane	10.93	117	915664	18.77	ug/ml#	79
19) N-Nitroso-di-n-propylamine	10.82	70	1429895m	22.48	ug/ml	
23) Nitrobenzene	11.08	77	1871376	21.72	ug/ml	88
24) Isophorone	11.52	82	3213883	22.51	ug/ml	91
25) 2-Nitrophenol	11.67	139	3211494	64.96	ug/ml	78
28) bis(2-Chloroethoxy)methane	11.87	93	1862998	19.33	ug/ml	98
29) 2,4-Dichlorophenol	12.07	162	4044671	58.95	ug/ml	93
30) 1,2,4-Trichlorobenzene	12.24	180	1259621	14.89	ug/ml	98
31) Naphthalene	12.35	128	4048382	18.38	ug/ml	97
32) 4-Chloroaniline	12.48	127	1590721	19.02	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41729.D Vial: 3
Acq On : 9 Apr 2009 10:05 Operator: JI
Sample : SSTD020 Inst : GC/MS-P
Misc : SSTD020 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 15:25 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Hexachlorobutadiene	12.67	225	655155	12.93 ug/ml	97
34) Caprolactam	13.20	113	406667m	22.25 ug/ml	
35) 4-Chloro-3-methylphenol	13.36	107	3781566	72.25 ug/ml	85
36) 2-Methylnaphthalene	13.62	142	1994287	16.05 ug/ml	97
38) Hexachlorocyclopentadiene	14.03	237	563877	15.84 ug/ml	98
39) 2,4,6-Trichlorophenol	14.19	196	2327760	70.16 ug/ml	99
42) 1,1-Biphenyl	14.50	154	2075333	18.58 ug/ml	90
43) 2-Chloronaphthalene	14.53	162	1592233	17.98 ug/ml	95
45) Acenaphthylene	15.32	152	2418846	19.33 ug/ml	97
46) Dimethylphthalate	15.14	163	1682788	20.10 ug/ml	98
47) 2,6-Dinitrotoluene	15.29	165	399567	20.09 ug/ml	85
48) Acenaphthene	15.66	153	1409077	19.38 ug/ml	93
50) 2,4-Dinitrophenol	15.75	184	1166370	73.51 ug/ml#	76
51) Dibenzofuran	15.96	168	1849598	17.35 ug/ml	95
53) 4-Nitrophenol	15.86	109	829044	108.35 ug/ml#	66
54) Fluorene	16.60	166	1277309	16.45 ug/ml	96
55) 4-Chlorophenyl-phenylether	16.58	204	592723	14.58 ug/ml	83
56) Diethylphthalate	16.47	149	1388526	17.14 ug/ml	97
57) 4-Nitroaniline	16.72	138	371401	19.88 ug/ml	84
61) 4,6-Dinitro-2-methylphenol	16.80	198	1263661	85.32 ug/ml	100
62) n-Nitrosodiphenylamine	16.83	169	924412	20.95 ug/ml	95
63) 1,2-Diphenylhydrazine	16.89	77	1853982	29.86 ug/ml	80
64) 4-Bromophenyl-phenylether	17.51	248	306176	16.89 ug/ml#	89
65) Hexachlorobenzene	17.80	284	387082	14.32 ug/ml	81
66) Atrazine	17.88	200	275268	17.80 ug/ml	100
67) Pentachlorophenol	18.14	266	1018628	56.65 ug/ml	99
68) Pentachloronitrobenzene	18.27	237	116647	19.09 ug/ml#	87
69) Phenanthrene	18.40	178	1642168	18.78 ug/ml	99
70) Anthracene	18.48	178	1600437	18.41 ug/ml	99
71) Carbazole	18.75	167	1374131	17.91 ug/ml	100
72) Di-n-butylphthalate	19.31	149	2032522	21.71 ug/ml	99
73) Fluoranthene	20.15	202	1484151	16.62 ug/ml	86
75) Pyrene	20.44	202	1486842	16.92 ug/ml	84
77) Butylbenzylphthalate	21.17	149	818751	22.15 ug/ml	92
78) 3,3-Dichlorobenzidine	21.79	252	334244	17.62 ug/ml	94
79) Benzo[a]anthracene	21.84	228	1150414	18.05 ug/ml	98
80) Chrysene	21.89	228	1090599	18.13 ug/ml	98
81) bis(2-Ethylhexyl)phthalate	21.78	149	1076123	24.12 ug/ml	89
83) Di-n-octylphthalate	22.56	149	1649441	30.11 ug/ml	100
84) Benzo[b]fluoranthene	23.43	252	914196	19.65 ug/ml	92
85) Benzo[k]fluoranthene	23.46	252	880954	18.53 ug/ml	88
86) Benzo[a]pyrene	24.05	252	819983	20.99 ug/ml	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41729.D Vial: 3
Acq On : 9 Apr 2009 10:05 Operator: JI
Sample : SSTD020 Inst : GC/MS-P
Misc : SSTD020 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 15:25 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

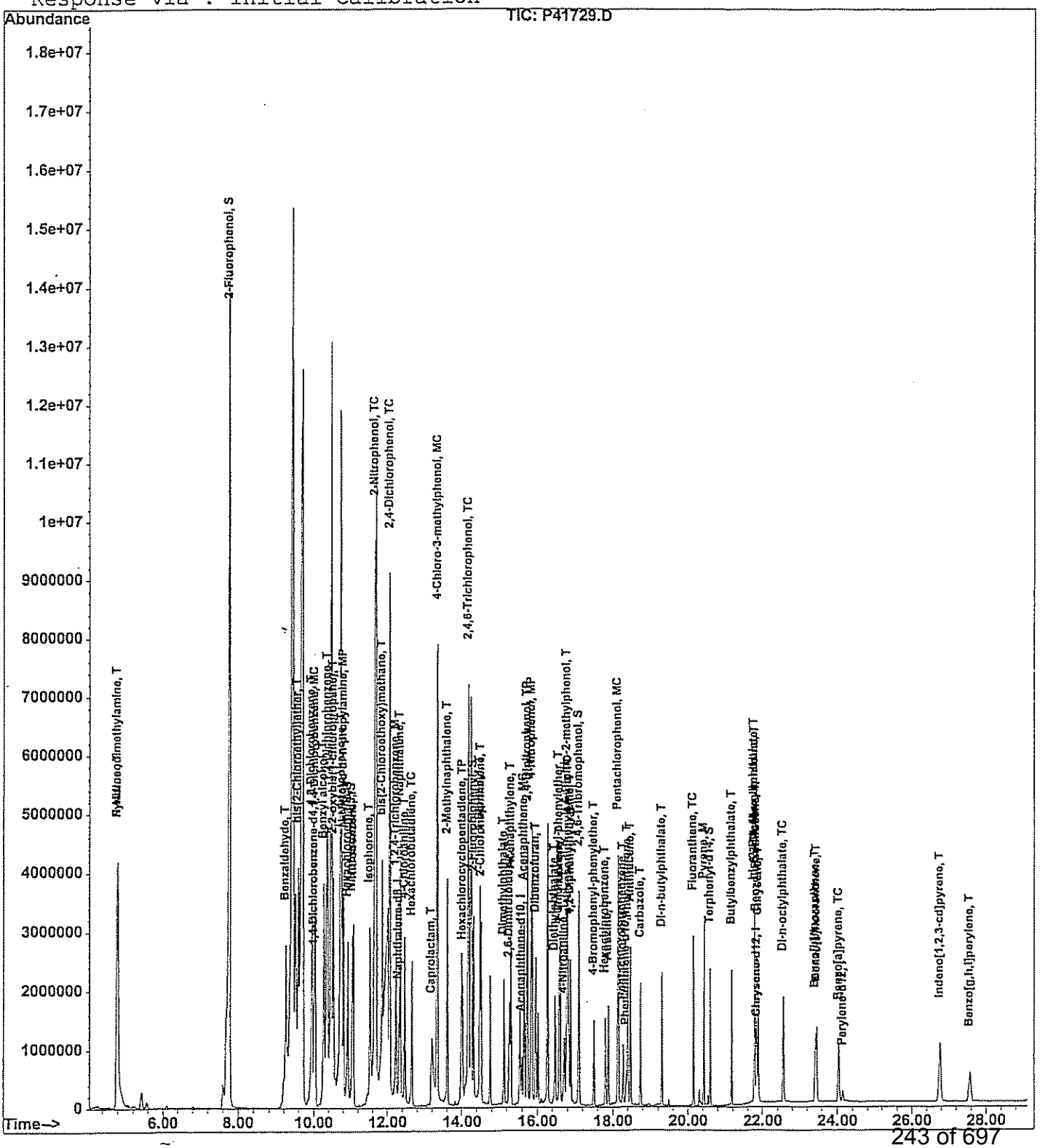
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
87) Indeno[1,2,3-cd]pyrene	26.77	276	822391	23.16 ug/ml#	64
89) Benzo[g,h,i]perylene	27.57	276	721355	22.70 ug/ml	80

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41729.D Vial: 3
Acq On : 9 Apr 2009 10:05 Operator: JI
Sample : SSTD020 Inst : GC/MS-P
Misc : SSTD020 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 15:25 2009 Quant Results File: L8270GT1.RES

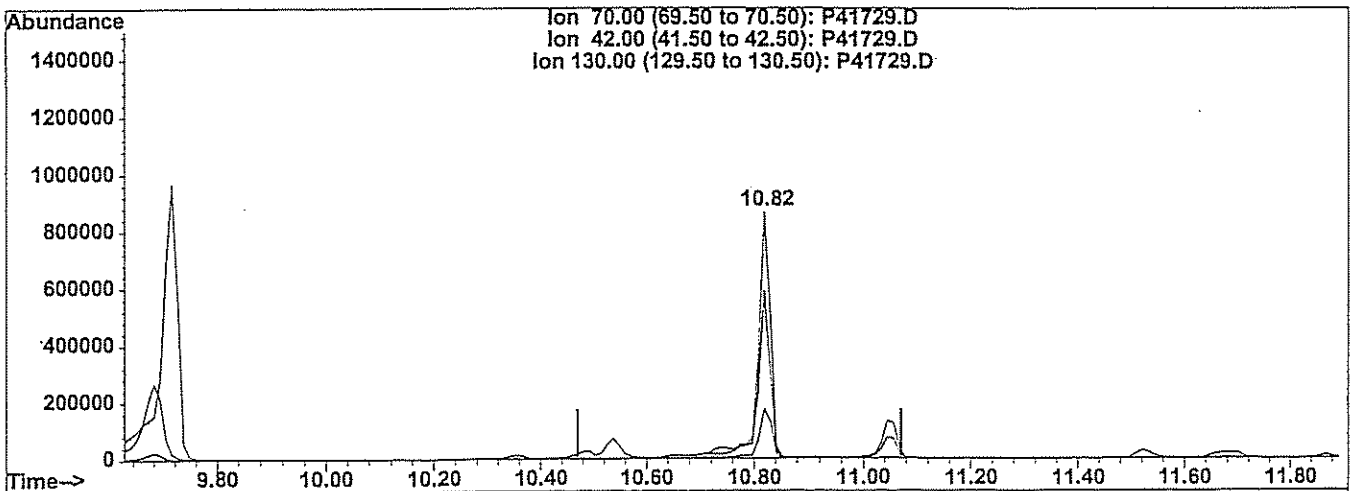
Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration



Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41729.D Vial: 3
Acq On : 9 Apr 2009 10:05 Operator: JI
Sample : SSTD020 Inst : GC/MS-P
Misc : SSTD020 HP#P JI Multiplr: 1.00
Quant Time: Apr 9 15:25 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:05:02 2009
Response via : Single Level Calibration



TIC: P41729.D

(19) N-Nitroso-di-n-propylamine (MP)

10.82min 22.48ug/ml m

response 1429895

Ion	Exp%	Act%
70.00	100	100
42.00	66.50	67.87
130.00	25.70	20.24
0.00	0.00	0.00

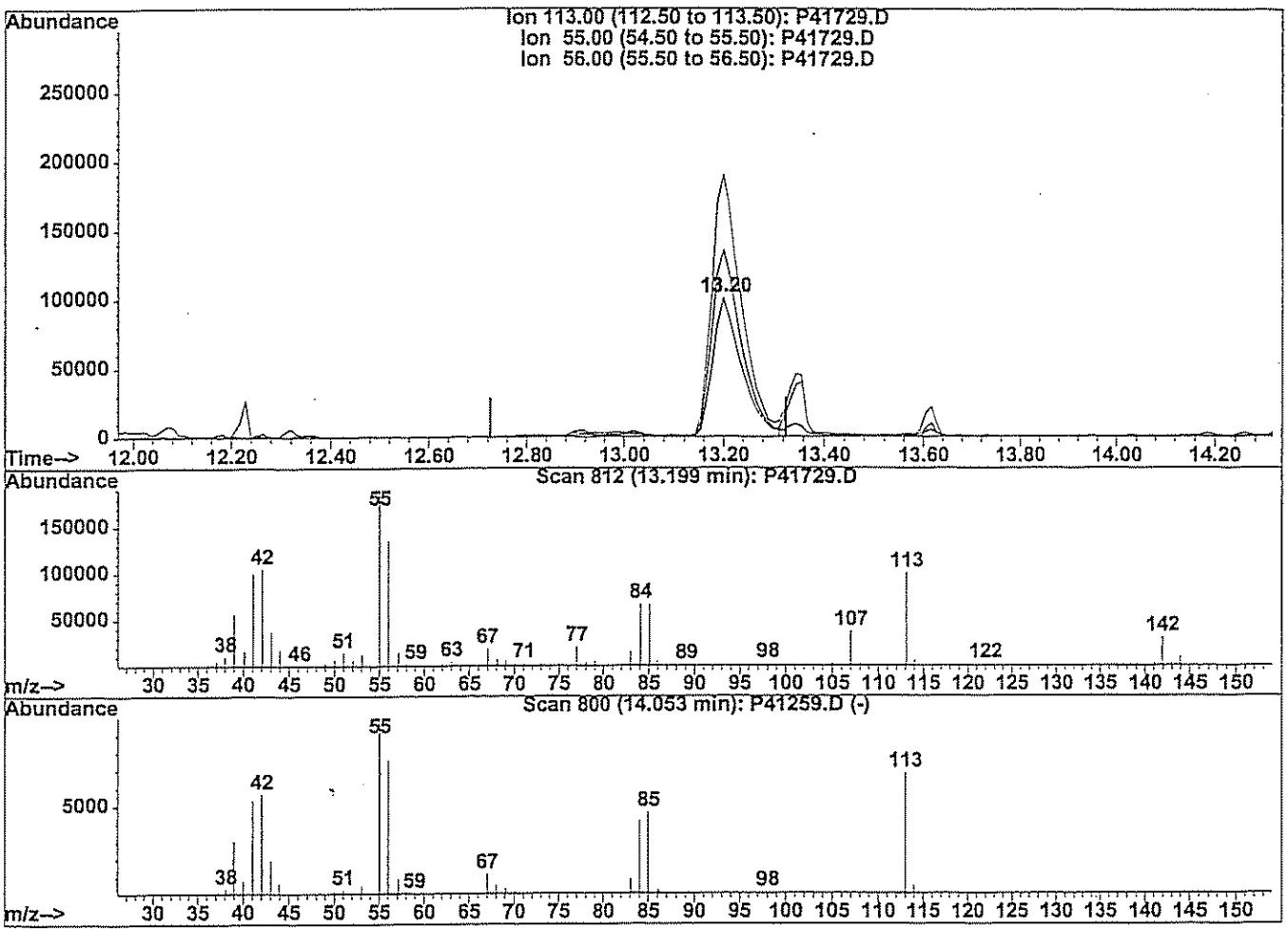
JB
04/09/09

P41729.D L8270GT1.M Thu Apr 09 16:18:37 2009

Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41729.D Vial: 3
Acq On : 9 Apr 2009 10:05 Operator: JI
Sample : SSTD020 Inst : GC/MS-P
Misc : SSTD020 HP#P JI Multiplr: 1.00
Quant Time: Apr 9 15:25 2009 Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:05:02 2009
Response via : Single Level Calibration



TIC: P41729.D

(34) Caprolactam (T)

13.20min 22.25ug/ml m

response 406667

Ion	Exp%	Act%
113.00	100	100
55.00	151.20	189.36#
56.00	114.10	134.54#
0.00	0.00	0.00

JB
04/09/09

P41729.D L8270GT1.M Thu Apr 09 16:18:47 2009

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41730.D Vial: 4
Acq On : 9 Apr 2009 10:41 Operator: JI
Sample : SSTD00.2 Inst : GC/MS-P
Misc : SSTD00.2 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 13:43 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.00	152	319007	4.00 ug/ml	0.00
21) Naphthalene-d8	12.31	136	834441	4.00 ug/ml	0.00
37) Acenaphthene-d10	15.59	164	224700	4.00 ug/ml	0.00
59) Phenanthrene-d10	18.35	188	220139	4.00 ug/ml	0.00
74) Chrysene-d12	21.86	240	148782	4.00 ug/ml	0.00
82) Perylene-d12	24.15	264	96782	4.00 ug/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	7.72	112	181558	1.43 ug/ml	-0.04
Spiked Amount 4.000	Range 20 - 118		Recovery = 35.75%		
8) Phenol-d5	9.38	99	173560	1.30 ug/ml	-0.02
Spiked Amount 4.000	Range 29 - 133		Recovery = 32.50%		
22) Nitrobenzene-d5	11.02	82	17287	0.20 ug/ml	-0.02
Spiked Amount 2.000	Range 20 - 137		Recovery = 10.00%#		
41) 2-Fluorobiphenyl	14.32	172	20841	0.24 ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 12.00%#		
58) 2,4,6-Tribromophenol	17.09	330	6000	0.38 ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery = 9.50%#		
76) Terphenyl-d14	20.60	244	6529	0.16 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 8.00%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	4.64	74	24271	0.27 ug/ml	85
3) Pyridine	4.64	79	46948	0.32 ug/ml	82
5) Benzaldehyde	9.23	77	15502	0.29 ug/ml	91
6) Aniline	9.47	66	13383	0.23 ug/ml	96
7) bis(2-Chloroethyl)ether	9.55	63	19757	0.24 ug/ml	96
9) Phenol	9.39	94	175285	1.35 ug/ml	99
10) 2-Chlorophenol	9.67	128	128392	1.23 ug/ml	92
11) 1,3-Dichlorobenzene	9.93	146	28146	0.22 ug/ml	98
12) 1,4-Dichlorobenzene	10.02	146	29381	0.24 ug/ml	99
13) 1,2-Dichlorobenzene	10.37	146	24734	0.22 ug/ml	98
14) Benzyl alcohol	10.26	108	10106	0.18 ug/ml	97
15) 2,2-oxybis(1-chloropropane	10.52	45	47328	0.27 ug/ml	95
16) 2-Methylphenol	10.46	108	103669	1.27 ug/ml	98
17) Acetophenone	10.74	105	26719	0.25 ug/ml	94
18) Hexachloroethane	10.92	117	10394	0.22 ug/ml#	77
19) N-Nitroso-di-n-propylamine	10.76	70	13448	0.22 ug/ml	89
20) 4-Methylphenol	10.71	108	95705	1.13 ug/ml	99
23) Nitrobenzene	11.06	77	19303	0.23 ug/ml	85
24) Isophorone	11.46	82	28615	0.21 ug/ml	88
25) 2-Nitrophenol	11.64	139	39249	0.82 ug/ml	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41730.D
Acq On : 9 Apr 2009 10:41
Sample : SSTD00.2
Misc : SSTD00.2 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 13:43 2009

Vial: 4
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	11.67	107	84704	1.15 ug/ml	93
28) bis(2-Chloroethoxy)methane	11.85	93	19408	0.21 ug/ml	90
29) 2,4-Dichlorophenol	12.05	162	59139	0.89 ug/ml	96
30) 1,2,4-Trichlorobenzene	12.23	180	13991	0.17 ug/ml	93
31) Naphthalene	12.34	128	45131	0.21 ug/ml	96
32) 4-Chloroaniline	12.45	127	12638	0.16 ug/ml	90
33) Hexachlorobutadiene	12.66	225	7318	0.15 ug/ml	98
34) Caprolactam	12.98	113	1362	0.08 ug/ml	97
35) 4-Chloro-3-methylphenol	13.32	107	43182	0.85 ug/ml	91
36) 2-Methylnaphthalene	13.61	142	22458	0.19 ug/ml	91
38) Hexachlorocyclopentadiene	14.03	237	4777	0.16 ug/ml#	70
39) 2,4,6-Trichlorophenol	14.17	196	24780	0.90 ug/ml	98
40) 2,4,5-Trichlorophenol	14.24	196	25164	0.89 ug/ml	97
42) 1,1-Biphenyl	14.48	154	19833	0.21 ug/ml	77
43) 2-Chloronaphthalene	14.52	162	16403	0.22 ug/ml	96
44) 2-Nitroaniline	14.76	65	3251	0.17 ug/ml#	74
45) Acenaphthylene	15.31	152	20304	0.20 ug/ml	99
46) Dimethylphthalate	15.13	163	11821	0.17 ug/ml	76
47) 2,6-Dinitrotoluene	15.27	165	1556	0.09 ug/ml#	46
48) Acenaphthene	15.66	153	12121	0.20 ug/ml	92
49) 3-Nitroaniline	15.53	138	1510	0.09 ug/ml#	33
51) Dibenzofuran	15.95	168	18133	0.21 ug/ml	97
53) 4-Nitrophenol	15.82	109	3517	0.55 ug/ml#	53
54) Fluorene	16.59	166	11158	0.17 ug/ml	90
55) 4-Chlorophenyl-phenylether	16.58	204	5254	0.16 ug/ml	81
56) Diethylphthalate	16.45	149	10049	0.15 ug/ml	90
60) 1,2,4,5-Tetrachlorbenzene	14.00	216	8649	0.30 ug/ml	96
62) n-Nitrosodiphenylamine	16.81	169	6810	0.24 ug/ml	90
63) 1,2-Diphenylhydrazine	16.88	77	13643	0.34 ug/ml	85
64) 4-Bromophenyl-phenylether	17.51	248	1916	0.16 ug/ml#	68
65) Hexachlorobenzene	17.80	284	2431	0.14 ug/ml#	51
66) Atrazine	17.86	200	1795	0.18 ug/ml#	46
69) Phenanthrene	18.39	178	12509	0.22 ug/ml	97
70) Anthracene	18.47	178	11018	0.19 ug/ml	94
71) Carbazole	18.74	167	8946	0.18 ug/ml	100
72) Di-n-butylphthalate	19.30	149	11948	0.20 ug/ml	95
73) Fluoranthene	20.15	202	9095	0.16 ug/ml	92
75) Pyrene	20.43	202	10546	0.18 ug/ml	67
77) Butylbenzylphthalate	21.16	149	5501	0.23 ug/ml#	62
78) 3,3-Dichlorobenzidine	21.79	252	2781	0.22 ug/ml	80
79) Benzo[a]anthracene	21.83	228	9262	0.22 ug/ml	88
80) Chrysene	21.89	228	8014	0.20 ug/ml	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41730.D
Vial: 4
Acq On : 9 Apr 2009 10:41
Operator: JI
Sample : SSTD00.2
Inst : GC/MS-P
Misc : SSTD00.2 HP#P JI
Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 9 13:43 2009
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81) bis(2-Ethylhexyl)phthalate	21.78	149	8201	0.28 ug/ml	91
83) Di-n-octylphthalate	22.56	149	13034	0.29 ug/ml	87
84) Benzo[b]fluoranthene	23.42	252	8983	0.24 ug/ml#	9
85) Benzo[k]fluoranthene	23.45	252	6474	0.17 ug/ml#	2
86) Benzo[a]pyrene	24.04	252	6901	0.22 ug/ml#	1
87) Indeno[1,2,3-cd]pyrene	26.73	276	7202	0.25 ug/ml	99
88) Dibenz[a,h]anthracene	26.75	278	5779	0.25 ug/ml#	57
89) Benzo[g,h,i]perylene	27.54	276	6007	0.23 ug/ml#	64

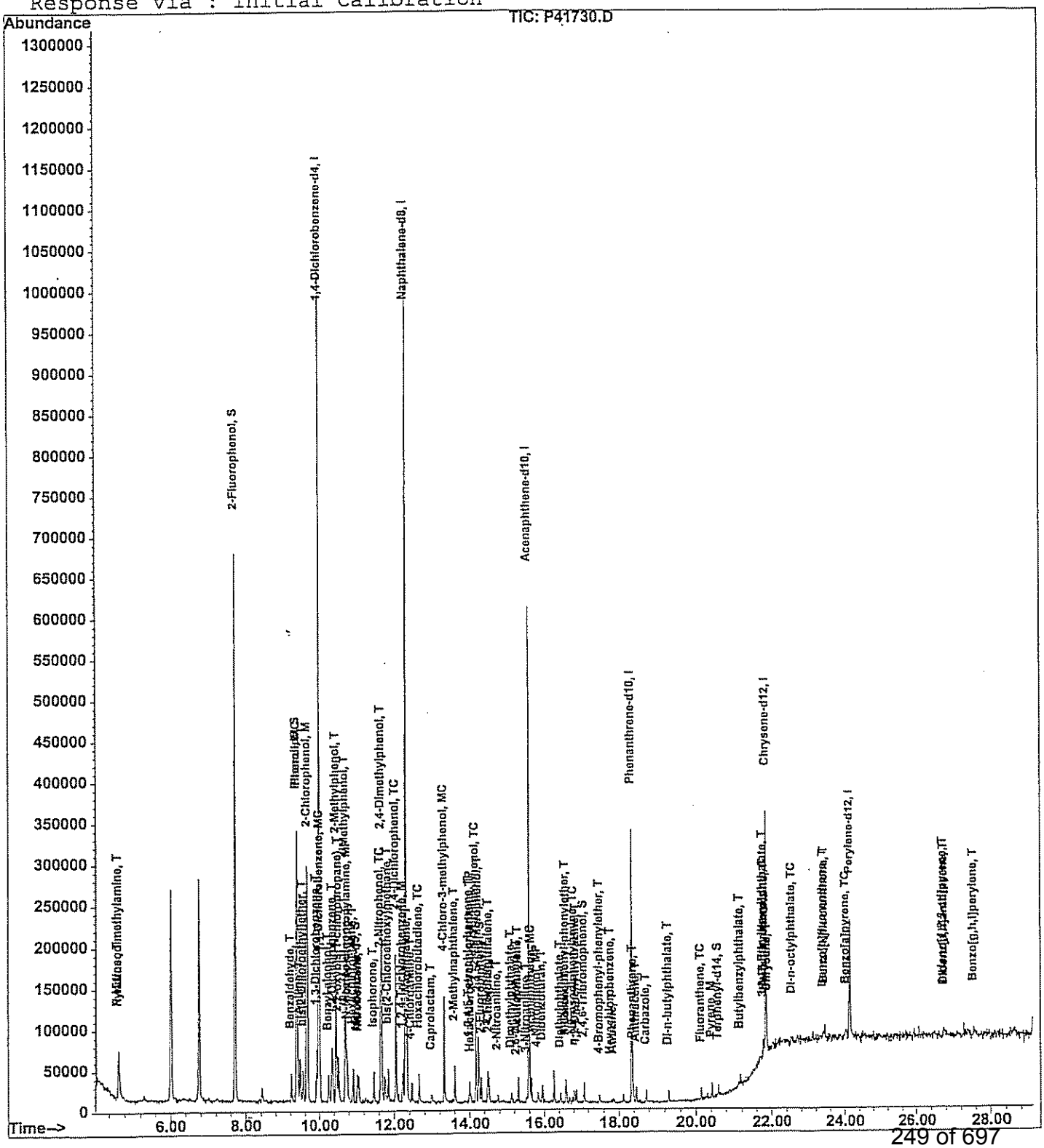
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41730.D
Acq On : 9 Apr 2009 10:41
Sample : SSTD00.2
Misc : SSTD00.2 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 13:43 2009

Vial: 4
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41731.D
Acq On : 9 Apr 2009 11:16
Sample : SSTD00.5
Misc : SSTD00.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 11:46 2009

Vial: 5
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.00	152	464903	4.00 ug/ml	0.00
21) Naphthalene-d8	12.31	136	1226734	4.00 ug/ml	0.00
37) Acenaphthene-d10	15.59	164	328352	4.00 ug/ml	0.00
59) Phenanthrene-d10	18.35	188	330773	4.00 ug/ml	0.00
74) Chrysene-d12	21.86	240	202637	4.00 ug/ml	0.00
82) Perylene-d12	24.15	264	124647	4.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	7.73	112	638297	3.46 ug/ml	-0.03
Spiked Amount 4.000	Range 20 - 118		Recovery = 86.50%		
8) Phenol-d5	9.38	99	642856	3.30 ug/ml	-0.02
Spiked Amount 4.000	Range 29 - 133		Recovery = 82.50%		
22) Nitrobenzene-d5	11.02	82	72631	0.56 ug/ml	-0.02
Spiked Amount 2.000	Range 20 - 137		Recovery = 28.00%		
41) 2-Fluorobiphenyl	14.31	172	72276	0.57 ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 28.50%		
58) 2,4,6-Tribromophenol	17.09	330	26144	1.13 ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery = 28.25%		
76) Terphenyl-d14	20.60	244	22522	0.41 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 20.50%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	4.65	74	90297	0.70 ug/ml	93
3) Pyridine	4.65	79	157994	0.73 ug/ml	91
5) Benzaldehyde	9.23	77	52887	0.68 ug/ml	93
6) Aniline	9.47	66	56204	0.66 ug/ml	86
7) bis(2-Chloroethyl)ether	9.56	63	74020	0.61 ug/ml	98
9) Phenol	9.40	94	636116	3.37 ug/ml	99
10) 2-Chlorophenol	9.67	128	452921	2.98 ug/ml	88
11) 1,3-Dichlorobenzene	9.93	146	99088	0.53 ug/ml	97
12) 1,4-Dichlorobenzene	10.02	146	98620	0.55 ug/ml	96
13) 1,2-Dichlorobenzene	10.37	146	91414	0.56 ug/ml	98
14) Benzyl alcohol	10.24	108	43560	0.52 ug/ml	94
15) 2,2-oxybis(1-chloropropane	10.51	45	157183	0.62 ug/ml	96
16) 2-Methylphenol	10.46	108	367874	3.09 ug/ml	99
17) Acetophenone	10.74	105	95416	0.62 ug/ml	90
18) Hexachloroethane	10.92	117	33233	0.49 ug/ml#	82
19) N-Nitroso-di-n-propylamine	10.76	70	53711	0.61 ug/ml	94
20) 4-Methylphenol	10.71	108	368990	2.99 ug/ml	95
23) Nitrobenzene	11.06	77	73726	0.60 ug/ml	88
24) Isophorone	11.46	82	108554	0.53 ug/ml	97
25) 2-Nitrophenol	11.64	139	160160	2.27 ug/ml	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41731.D
Acq On : 9 Apr 2009 11:16
Sample : SSTD00.5
Misc : SSTD00.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 11:46 2009

Vial: 5
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	11.66	107	312325	2.89 ug/ml	96
27) Benzoic Acid	11.78	105	130803	1.67 ug/ml	96
28) bis(2-Chloroethoxy)methane	11.85	93	78504	0.57 ug/ml	96
29) 2,4-Dichlorophenol	12.05	162	226239	2.31 ug/ml	96
30) 1,2,4-Trichlorobenzene	12.23	180	50702	0.42 ug/ml	93
31) Naphthalene	12.34	128	163502	0.52 ug/ml	92
32) 4-Chloroaniline	12.45	127	59991	0.50 ug/ml	99
33) Hexachlorobutadiene	12.66	225	25530	0.35 ug/ml	90
34) Caprolactam	12.98	113	9029	0.35 ug/ml#	71
35) 4-Chloro-3-methylphenol	13.32	107	173384	2.32 ug/ml	94
36) 2-Methylnaphthalene	13.60	142	80232	0.45 ug/ml	98
38) Hexachlorocyclopentadiene	14.03	237	17711	0.41 ug/ml	82
39) 2,4,6-Trichlorophenol	14.17	196	99704	2.48 ug/ml	95
40) 2,4,5-Trichlorophenol	14.24	196	112139	2.72 ug/ml	95
42) 1,1-Biphenyl	14.48	154	83011	0.61 ug/ml	89
43) 2-Chloronaphthalene	14.52	162	62324	0.58 ug/ml	96
44) 2-Nitroaniline	14.75	65	15499	0.57 ug/ml#	83
45) Acenaphthylene	15.31	152	86722	0.57 ug/ml	90
46) Dimethylphthalate	15.13	163	48759	0.48 ug/ml	97
47) 2,6-Dinitrotoluene	15.26	165	8082	0.34 ug/ml	71
48) Acenaphthene	15.66	153	50803	0.58 ug/ml	92
49) 3-Nitroaniline	15.52	138	9845	0.39 ug/ml	90
50) 2,4-Dinitrophenol	15.72	184	6898	0.36 ug/ml	89
51) Dibenzofuran	15.94	168	65578	0.51 ug/ml	83
52) 2,4-Dinitrotoluene	16.01	165	8394	0.28 ug/ml	91
53) 4-Nitrophenol	15.81	109	18210	1.96 ug/ml#	75
54) Fluorene	16.59	166	42316	0.45 ug/ml	93
55) 4-Chlorophenyl-phenylether	16.58	204	18552	0.38 ug/ml#	77
56) Diethylphthalate	16.45	149	37432	0.38 ug/ml	99
57) 4-Nitroaniline	16.68	138	7517	0.33 ug/ml#	59
60) 1,2,4,5-Tetrachlorbenzene	14.00	216	33583	0.77 ug/ml	96
61) 4,6-Dinitro-2-methylphenol	16.76	198	13683	0.94 ug/ml	100
62) n-Nitrosodiphenylamine	16.81	169	24580	0.57 ug/ml	89
63) 1,2-Diphenylhydrazine	16.87	77	54968	0.90 ug/ml	85
64) 4-Bromophenyl-phenylether	17.50	248	7893	0.44 ug/ml#	72
65) Hexachlorobenzene	17.80	284	9985	0.38 ug/ml	89
66) Atrazine	17.86	200	6454	0.43 ug/ml	98
67) Pentachlorophenol	18.13	266	24296	1.38 ug/ml	88
68) Pentachloronitrobenzene	18.26	237	1689	0.28 ug/ml	87
69) Phenanthrene	18.39	178	41470	0.48 ug/ml	99
70) Anthracene	18.46	178	45907	0.54 ug/ml	95
71) Carbazole	18.74	167	36897	0.49 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41731.D
Acq On : 9 Apr 2009 11:16
Sample : SSTD00.5
Misc : SSTD00.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 11:46 2009

Vial: 5
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Di-n-butylphthalate	19.30	149	43933	0.48 ug/ml	98
73) Fluoranthene	20.15	202	33283	0.38 ug/ml	89
75) Pyrene	20.43	202	36186	0.46 ug/ml	75
77) Butylbenzylphthalate	21.16	149	15138	0.46 ug/ml	84
78) 3,3-Dichlorobenzidine	21.79	252	8658	0.51 ug/ml#	89
79) Benzo[a]anthracene	21.84	228	28531	0.50 ug/ml	94
80) Chrysene	21.88	228	27525	0.51 ug/ml	95
81) bis(2-Ethylhexyl)phthalate	21.78	149	21938	0.55 ug/ml	89
83) Di-n-octylphthalate	22.56	149	28638	0.50 ug/ml	96
84) Benzo[b]fluoranthene	23.42	252	26906	0.56 ug/ml#	56
85) Benzo[k]fluoranthene	23.45	252	19065	0.39 ug/ml#	58
86) Benzo[a]pyrene	24.04	252	22007	0.54 ug/ml#	69
87) Indeno[1,2,3-cd]pyrene	26.75	276	20290	0.55 ug/ml	71
88) Dibenz[a,h]anthracene	26.78	278	14806	0.50 ug/ml#	52
89) Benzo[g,h,i]perylene	27.55	276	17205	0.52 ug/ml#	68

(#) = qualifier out of range (m) = manual integration

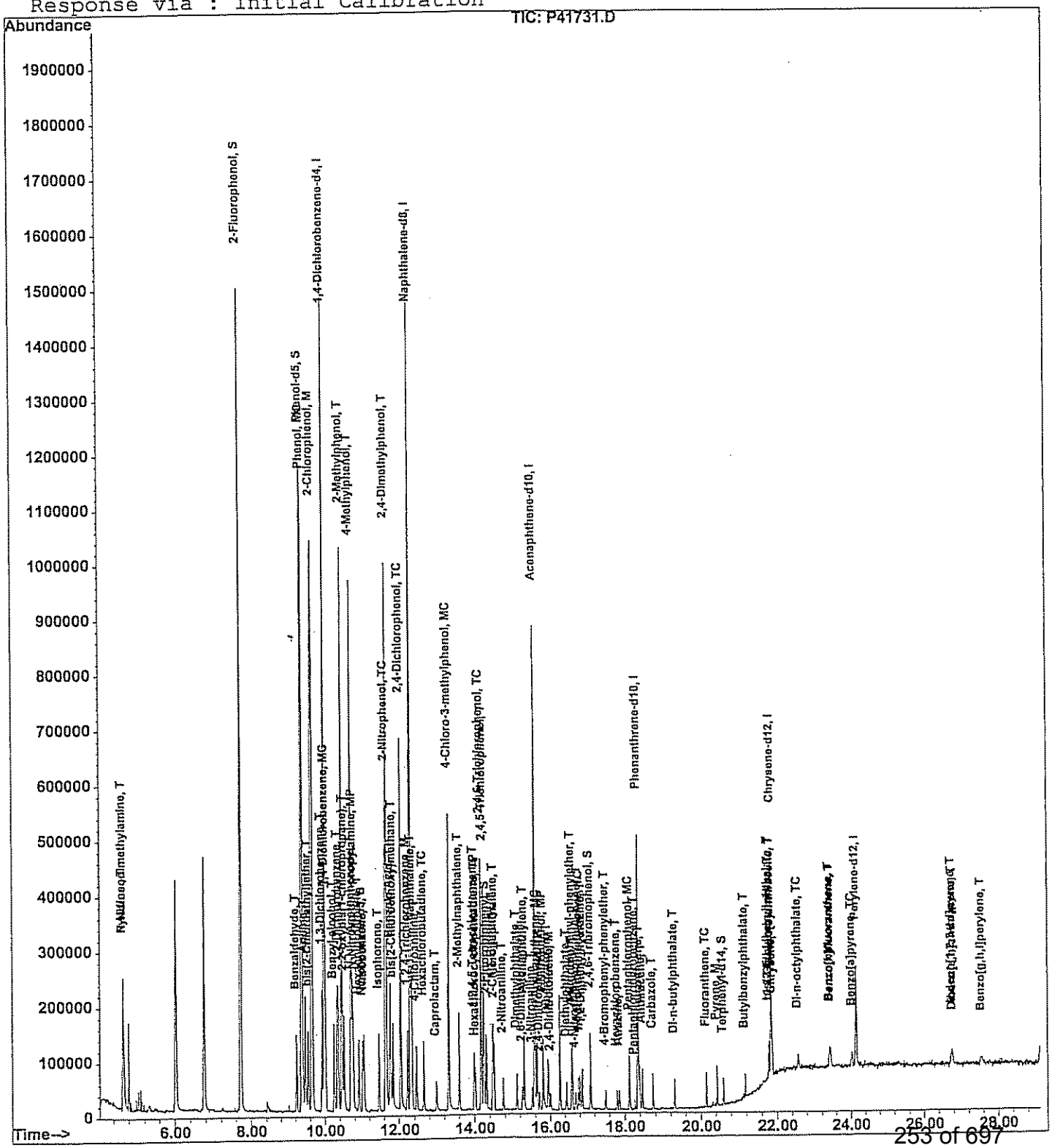
Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41731.D
Acq On : 9 Apr 2009 11:16
Sample : SSTD00.5
Misc : SSTD00.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 11:46 2009

Vial: 5
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41732.D
Acq On : 9 Apr 2009 11:51
Sample : SSTD001
Misc : SSTD001 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:20 2009

Vial: 6
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.00	152	425234	4.00	ug/ml	0.00
21) Naphthalene-d8	12.31	136	1047004	4.00	ug/ml	0.00
37) Acenaphthene-d10	15.60	164	259927	4.00	ug/ml	0.00
59) Phenanthrene-d10	18.35	188	283856	4.00	ug/ml	0.00
74) Chrysene-d12	21.85	240	222510	4.00	ug/ml	0.00
82) Perylene-d12	24.14	264	157206	4.00	ug/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	7.76	112	1194669	7.08	ug/ml	0.00
Spiked Amount 4.000	Range 20 - 118		Recovery	=	177.00%#	
8) Phenol-d5	9.39	99	1131120	6.35	ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery	=	158.75%#	
22) Nitrobenzene-d5	11.03	82	129958	1.18	ug/ml	-0.01
Spiked Amount 2.000	Range 20 - 137		Recovery	=	59.00%	
41) 2-Fluorobiphenyl	14.31	172	118743	1.18	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	=	59.00%	
58) 2,4,6-Tribromophenol	17.10	330	44783	2.46	ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery	=	61.50%	
76) Terphenyl-d14	20.60	244	45217	0.74	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	37.00%	

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.84	74	168021	1.42	ug/ml	86
3) Pyridine	4.85	79	288005	1.46	ug/ml	88
5) Benzaldehyde	9.25	77	99709	1.40	ug/ml	97
6) Aniline	9.48	66	102359	1.32	ug/ml	97
7) bis(2-Chloroethyl)ether	9.56	63	130643	1.17	ug/ml	93
9) Phenol	9.42	94	1095254	6.34	ug/ml	98
10) 2-Chlorophenol	9.69	128	812844	5.84	ug/ml	91
11) 1,3-Dichlorobenzene	9.95	146	178998	1.04	ug/ml	94
12) 1,4-Dichlorobenzene	10.04	146	179395	1.09	ug/ml	97
13) 1,2-Dichlorobenzene	10.37	146	157599	1.06	ug/ml	97
14) Benzyl alcohol	10.26	108	79839	1.04	ug/ml	92
15) 2,2-oxybis(1-chloropropane	10.52	45	272442	1.17	ug/ml	99
16) 2-Methylphenol	10.46	108	614544	5.64	ug/ml	91
17) Acetophenone	10.75	105	157231	1.12	ug/ml	89
18) Hexachloroethane	10.93	117	60442	0.98	ug/ml	89
19) N-Nitroso-di-n-propylamine	10.77	70	80499	1.00	ug/ml	97
20) 4-Methylphenol	10.71	108	614964	5.45	ug/ml	98
23) Nitrobenzene	11.06	77	121836	1.16	ug/ml	88
24) Isophorone	11.47	82	166566	0.96	ug/ml	98
25) 2-Nitrophenol	11.65	139	276193	4.59	ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41732.D
Acq On : 9 Apr 2009 11:51
Sample : SSTD001
Misc : SSTD001 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:20 2009

Vial: 6
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1:RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	11.67	107	487319	5.29 ug/ml	96
27) Benzoic Acid	11.79	105	211483	3.16 ug/ml	96
28) bis(2-Chloroethoxy)methane	11.85	93	127274	1.08 ug/ml	96
29) 2,4-Dichlorophenol	12.05	162	384934	4.61 ug/ml	96
30) 1,2,4-Trichlorobenzene	12.22	180	85718	0.83 ug/ml	98
31) Naphthalene	12.35	128	287600	1.07 ug/ml	100
32) 4-Chloroaniline	12.46	127	102112	1.00 ug/ml	95
33) Hexachlorobutadiene	12.66	225	45898	0.74 ug/ml	95
34) Caprolactam	12.99	113	14465	0.65 ug/ml#	63
35) 4-Chloro-3-methylphenol	13.32	107	277470	4.35 ug/ml	84
36) 2-Methylnaphthalene	13.60	142	137414	0.91 ug/ml	92
38) Hexachlorocyclopentadiene	14.03	237	29914	0.88 ug/ml	93
39) 2,4,6-Trichlorophenol	14.17	196	156758	4.92 ug/ml	97
40) 2,4,5-Trichlorophenol	14.24	196	155145	4.76 ug/ml	96
42) 1,1-Biphenyl	14.48	154	130006	1.21 ug/ml	95
43) 2-Chloronaphthalene	14.51	162	102546	1.21 ug/ml	94
44) 2-Nitroaniline	14.75	65	24652	1.14 ug/ml	90
45) Acenaphthylene	15.30	152	131140	1.09 ug/ml	91
46) Dimethylphthalate	15.12	163	76145	0.95 ug/ml	96
47) 2,6-Dinitrotoluene	15.27	165	12730	0.67 ug/ml	77
48) Acenaphthene	15.65	153	76794	1.10 ug/ml	93
49) 3-Nitroaniline	15.53	138	16416	0.82 ug/ml	87
50) 2,4-Dinitrophenol	15.72	184	20849	1.37 ug/ml	87
51) Dibenzofuran	15.94	168	103537	1.01 ug/ml	97
52) 2,4-Dinitrotoluene	16.00	165	16922	0.72 ug/ml	93
53) 4-Nitrophenol	15.81	109	34400	4.68 ug/ml#	68
54) Fluorene	16.60	166	70776	0.95 ug/ml	95
55) 4-Chlorophenyl-phenylether	16.58	204	30835	0.79 ug/ml	88
56) Diethylphthalate	16.44	149	61566	0.79 ug/ml	93
57) 4-Nitroaniline	16.68	138	15094	0.84 ug/ml	90
60) 1,2,4,5-Tetrachlorbenzene	13.99	216	53787	1.44 ug/ml	94
61) 4,6-Dinitro-2-methylphenol	16.77	198	30970	2.49 ug/ml	100
62) n-Nitrosodiphenylamine	16.81	169	42663	1.15 ug/ml	87
63) 1,2-Diphenylhydrazine	16.87	77	86923	1.67 ug/ml	81
64) 4-Bromophenyl-phenylether	17.50	248	14423	0.95 ug/ml	88
65) Hexachlorobenzene	17.79	284	17671	0.78 ug/ml	94
66) Atrazine	17.86	200	12146	0.93 ug/ml	90
67) Pentachlorophenol	18.12	266	48636	3.22 ug/ml	96
68) Pentachloronitrobenzene	18.26	237	3398	0.66 ug/ml#	89
69) Phenanthrene	18.39	178	78274	1.06 ug/ml	98
70) Anthracene	18.46	178	74731	1.02 ug/ml	94
71) Carbazole	18.73	167	68239	1.06 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41732.D
Acq On : 9 Apr 2009 11:51
Sample : SSTD001
Misc : SSTD001 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:20 2009

Vial: 6
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Di-n-butylphthalate	19.31	149	76558	0.97 ug/ml	95
73) Fluoranthene	20.14	202	67742	0.90 ug/ml	84
75) Pyrene	20.43	202	71923	0.83 ug/ml	92
77) Butylbenzylphthalate	21.17	149	31069	0.85 ug/ml	82
78) 3,3-Dichlorobenzidine	21.79	252	20667	1.11 ug/ml	94
79) Benzo[a]anthracene	21.83	228	66531	1.06 ug/ml	97
80) Chrysene	21.89	228	58189	0.98 ug/ml	96
81) bis(2-Ethylhexyl)phthalate	21.79	149	47730	1.09 ug/ml	89
83) Di-n-octylphthalate	22.55	149	60067	0.84 ug/ml	95
84) Benzo[b]fluoranthene	23.42	252	61031	1.00 ug/ml	87
85) Benzo[k]fluoranthene	23.46	252	55212	0.89 ug/ml	83
86) Benzo[a]pyrene	24.03	252	51855	1.01 ug/ml	77
87) Indeno[1,2,3-cd]pyrene	26.75	276	58488	1.26 ug/ml#	58
88) Dibenz[a,h]anthracene	26.76	278	50182	1.34 ug/ml	87
89) Benzo[g,h,i]perylene	27.55	276	53496	1.28 ug/ml	87

(#) = qualifier out of range (m) = manual integration

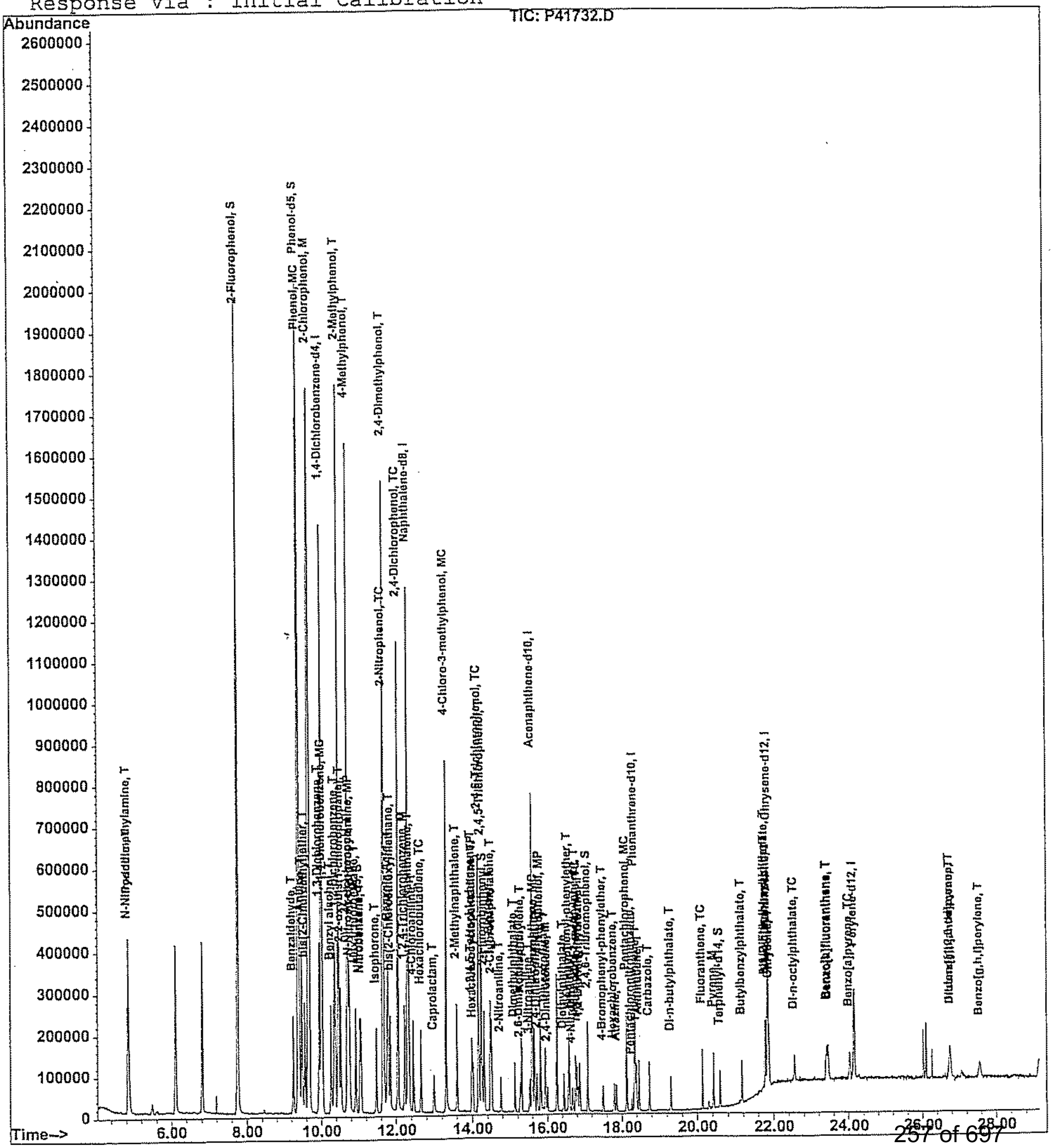
Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41732.D
Acq On : 9 Apr 2009 11:51
Sample : SSTD001
Misc : SSTD001 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:20 2009

Vial: 6
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41733.D
Acq On : 9 Apr 2009 12:26
Sample : SSTD005
Misc : SSTD005 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:55 2009

Vial: 7
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.00	152	377306	4.00	ug/ml	0.00
21) Naphthalene-d8	12.30	136	786031	4.00	ug/ml	-0.01
37) Acenaphthene-d10	15.60	164	179035	4.00	ug/ml	0.00
59) Phenanthrene-d10	18.35	188	179549	4.00	ug/ml	0.00
74) Chrysene-d12	21.86	240	127371	4.00	ug/ml	0.00
82) Perylene-d12	24.15	264	77766	4.00	ug/ml	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	7.75	112	4747226	31.69	ug/ml	-0.01
Spiked Amount 4.000	Range 20 - 118		Recovery = 792.25%#			
8) Phenol-d5	9.39	99	4012356	25.39	ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery = 634.75%#			
22) Nitrobenzene-d5	11.03	82	480225	5.81	ug/ml	-0.01
Spiked Amount 2.000	Range 20 - 137		Recovery = 290.50%#			
41) 2-Fluorobiphenyl	14.31	172	418956	6.05	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 302.50%#			
58) 2,4,6-Tribromophenol	17.10	330	156430	12.45	ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery = 311.25%#			
76) Terphenyl-d14	20.59	244	144739	4.16	ug/ml	-0.01
Spiked Amount 2.000	Range 20 - 138		Recovery = 208.00%#			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.74	74	736479	7.00	ug/ml	82
3) Pyridine	4.74	79	1273925	7.27	ug/ml	90
5) Benzaldehyde	9.24	77	476960	7.56	ug/ml	97
6) Aniline	9.48	66	373176	5.42	ug/ml	93
7) bis(2-Chloroethyl)ether	9.56	63	523236	5.29	ug/ml	93
9) Phenol	9.42	94	3905832	25.47	ug/ml	99
10) 2-Chlorophenol	9.69	128	2914982	23.61	ug/ml	92
11) 1,3-Dichlorobenzene	9.94	146	783774	5.13	ug/ml	100
12) 1,4-Dichlorobenzene	10.03	146	743792	5.07	ug/ml	98
13) 1,2-Dichlorobenzene	10.36	146	653985	4.96	ug/ml	98
14) Benzyl alcohol	10.25	108	284412	4.19	ug/ml	98
15) 2,2-oxybis(1-chloropropane	10.52	45	1067561	5.15	ug/ml	100
16) 2-Methylphenol	10.47	108	2157267	22.31	ug/ml	95
17) Acetophenone	10.75	105	555774	4.45	ug/ml	88
18) Hexachloroethane	10.92	117	264239	4.81	ug/ml#	73
19) N-Nitroso-di-n-propylamine	10.77	70	305793	4.27	ug/ml	94
20) 4-Methylphenol	10.71	108	2061439	20.58	ug/ml	93
23) Nitrobenzene	11.06	77	471007	5.98	ug/ml	90
24) Isophorone	11.47	82	610554	4.68	ug/ml	94
25) 2-Nitrophenol	11.65	139	1006423	22.26	ug/ml	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41733.D
Acq On : 9 Apr 2009 12:26
Sample : SSTD005
Misc : SSTD005 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:55 2009

Vial: 7
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	11.67	107	1654347	23.93 ug/ml	93
27) Benzoic Acid	11.85	105	983569	19.59 ug/ml	99
28) bis(2-Chloroethoxy)methane	11.85	93	447773	5.08 ug/ml	97
29) 2,4-Dichlorophenol	12.06	162	1296413	20.66 ug/ml	95
30) 1,2,4-Trichlorobenzene	12.22	180	340409	4.40 ug/ml	96
31) Naphthalene	12.35	128	1042808	5.18 ug/ml	99
32) 4-Chloroaniline	12.46	127	352292	4.61 ug/ml	99
33) Hexachlorobutadiene	12.66	225	185083	3.99 ug/ml	96
34) Caprolactam	13.03	113	49775	2.98 ug/ml#	69
35) 4-Chloro-3-methylphenol	13.32	107	925072	19.33 ug/ml	85
36) 2-Methylnaphthalene	13.60	142	474241	4.17 ug/ml	97
38) Hexachlorocyclopentadiene	14.03	237	127077	5.40 ug/ml	96
39) 2,4,6-Trichlorophenol	14.18	196	559795	25.52 ug/ml	98
40) 2,4,5-Trichlorophenol	14.24	196	517604	23.05 ug/ml	99
42) 1,1-Biphenyl	14.48	154	461726	6.25 ug/ml	91
43) 2-Chloronaphthalene	14.51	162	340251	5.81 ug/ml	94
44) 2-Nitroaniline	14.75	65	98238	6.57 ug/ml#	78
45) Acenaphthylene	15.30	152	467668	5.65 ug/ml	97
46) Dimethylphthalate	15.12	163	256483	4.64 ug/ml	98
47) 2,6-Dinitrotoluene	15.27	165	54540	4.15 ug/ml	81
48) Acenaphthene	15.65	153	275559	5.73 ug/ml	94
49) 3-Nitroaniline	15.53	138	64030	4.63 ug/ml	92
50) 2,4-Dinitrophenol	15.72	184	124504	11.87 ug/ml#	83
51) Dibenzofuran	15.95	168	338726	4.81 ug/ml	94
52) 2,4-Dinitrotoluene	16.00	165	67168	4.13 ug/ml	98
53) 4-Nitrophenol	15.81	109	115552	22.85 ug/ml#	69
54) Fluorene	16.60	166	229843	4.48 ug/ml	93
55) 4-Chlorophenyl-phenylether	16.58	204	111756	4.16 ug/ml	82
56) Diethylphthalate	16.44	149	212417	3.97 ug/ml	94
57) 4-Nitroaniline	16.68	138	44932	3.64 ug/ml	78
60) 1,2,4,5-Tetrachlorbenzene	14.00	216	197328	8.33 ug/ml	99
61) 4,6-Dinitro-2-methylphenol	16.77	198	162278	20.61 ug/ml	100
62) n-Nitrosodiphenylamine	16.81	169	153577	6.55 ug/ml	95
63) 1,2-Diphenylhydrazine	16.87	77	323189	9.79 ug/ml	82
64) 4-Bromophenyl-phenylether	17.50	248	48823	5.06 ug/ml	91
65) Hexachlorobenzene	17.80	284	63106	4.39 ug/ml	79
66) Atrazine	17.86	200	42408	5.16 ug/ml	99
67) Pentachlorophenol	18.12	266	184179	19.26 ug/ml	98
68) Pentachloronitrobenzene	18.27	237	15224	4.68 ug/ml#	86
69) Phenanthrene	18.38	178	249477	5.37 ug/ml	97
70) Anthracene	18.46	178	245131	5.30 ug/ml	97
71) Carbazole	18.73	167	217353	5.33 ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41733.D
Acq On : 9 Apr 2009 12:26
Sample : SSTD005
Misc : SSTD005 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:55 2009

Vial: 7
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72) Di-n-butylphthalate	19.30	149	283550	5.70 ug/ml	99
73) Fluoranthene	20.14	202	217368	4.58 ug/ml	92
75) Pyrene	20.43	202	220693	4.45 ug/ml	90
77) Butylbenzylphthalate	21.17	149	113070	5.42 ug/ml	95
78) 3,3-Dichlorobenzidine	21.79	252	64852	6.06 ug/ml	95
79) Benzo[a]anthracene	21.83	228	197294	5.49 ug/ml	98
80) Chrysene	21.89	228	168097	4.95 ug/ml	95
81) bis(2-Ethylhexyl)phthalate	21.79	149	163408	6.49 ug/ml	89
83) Di-n-octylphthalate	22.55	149	229355	6.45 ug/ml	100
84) Benzo[b]fluoranthene	23.41	252	185648	6.15 ug/ml	91
85) Benzo[k]fluoranthene	23.46	252	136308	4.42 ug/ml	85
86) Benzo[a]pyrene	24.03	252	149779	5.91 ug/ml	89
87) Indeno[1,2,3-cd]pyrene	26.75	276	157877	6.85 ug/ml#	59
88) Dibenz[a,h]anthracene	26.76	278	134307	7.25 ug/ml	89
89) Benzo[g,h,i]perylene	27.55	276	141383	6.86 ug/ml	83

(#) = qualifier out of range (m) = manual integration

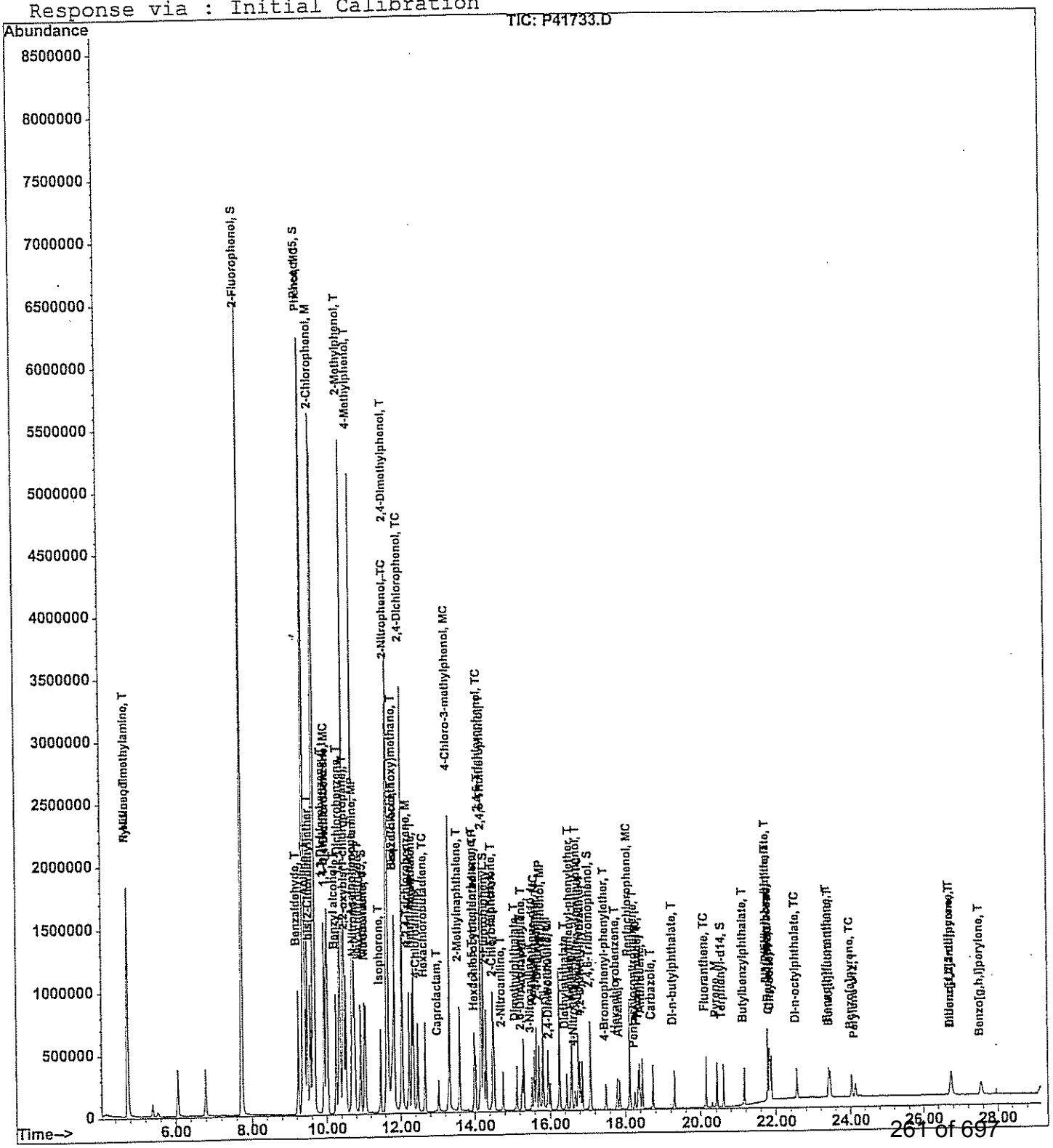
Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41733.D
Acq On : 9 Apr 2009 12:26
Sample : SSTD005
Misc : SSTD005 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 12:55 2009

Vial: 7
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.98	152	289196	4.00 ug/ml	-0.02
21) Naphthalene-d8	12.31	136	548459	4.00 ug/ml	0.00
37) Acenaphthene-d10	15.59	164	126383	4.00 ug/ml	0.00
59) Phenanthrene-d10	18.35	188	129624	4.00 ug/ml	0.00
74) Chrysene-d12	21.86	240	113974	4.00 ug/ml	0.00
82) Perylene-d12	24.15	264	86274	4.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	7.72	112	6696661	58.32 ug/ml	-0.04
Spiked Amount 4.000	Range 20 - 118		Recovery	= 1458.00%#	
8) Phenol-d5	0.00	99	0d	0.00 ug/ml	
Spiked Amount 4.000	Range 29 - 133		Recovery	= 0.00%#	
22) Nitrobenzene-d5	11.02	82	658075	11.41 ug/ml	-0.02
Spiked Amount 2.000	Range 20 - 137		Recovery	= 570.50%#	
41) 2-Fluorobiphenyl	14.32	172	538780	11.02 ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	= 551.00%#	
58) 2,4,6-Tribromophenol	17.10	330	218305	24.62 ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery	= 615.50%#	
76) Terphenyl-d14	20.60	244	218103	7.00 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	= 350.00%#	

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	4.57	74	1074928m	13.34 ug/ml	
3) Pyridine	4.56	79	1972531m	14.69 ug/ml	
5) Benzaldehyde	9.23	77	764568	15.81 ug/ml	96
6) Aniline	9.48	66	506218	9.60 ug/ml	97
7) bis(2-Chloroethyl)ether	9.56	63	747204	9.85 ug/ml	96
10) 2-Chlorophenol	9.67	128	3832050	40.50 ug/ml	85
11) 1,3-Dichlorobenzene	9.93	146	1154366	9.86 ug/ml	99
12) 1,4-Dichlorobenzene	10.02	146	1107006	9.85 ug/ml	99
13) 1,2-Dichlorobenzene	10.36	146	949083	9.40 ug/ml	98
14) Benzyl alcohol	10.24	108	418319	8.04 ug/ml	96
15) 2,2-oxybis(1-chloropropane	10.52	45	1564526	9.85 ug/ml	99
17) Acetophenone	10.75	105	757363	7.92 ug/ml	91
18) Hexachloroethane	10.91	117	409167	9.72 ug/ml#	71
19) N-Nitroso-di-n-propylamine	10.77	70	410349	7.48 ug/ml	99
23) Nitrobenzene	11.06	77	638257	11.61 ug/ml	91
24) Isophorone	11.46	82	831602	9.13 ug/ml	91
25) 2-Nitrophenol	11.64	139	1368336	43.38 ug/ml	91
26) 2,4-Dimethylphenol	11.68	107	2134887	44.26 ug/ml	95
27) Benzoic Acid	11.88	105	1415889	40.43 ug/ml	96
28) bis(2-Chloroethoxy)methane	11.85	93	604896	9.84 ug/ml	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29) 2,4-Dichlorophenol	12.05	162	1684207	38.47	ug/ml	92
30) 1,2,4-Trichlorobenzene	12.23	180	488076	9.04	ug/ml	96
31) Naphthalene	12.34	128	1403716	9.99	ug/ml	98
32) 4-Chloroaniline	12.45	127	467636	8.76	ug/ml	97
33) Hexachlorobutadiene	12.66	225	257039	7.95	ug/ml	98
34) Caprolactam	13.04	113	76847	6.59	ug/ml#	77
35) 4-Chloro-3-methylphenol	13.32	107	1166945	34.94	ug/ml	86
36) 2-Methylnaphthalene	13.60	142	618606	7.80	ug/ml	94
38) Hexachlorocyclopentadiene	14.02	237	178683	10.76	ug/ml	97
39) 2,4,6-Trichlorophenol	14.18	196	673646	43.51	ug/ml	98
40) 2,4,5-Trichlorophenol	14.25	196	726467	45.83	ug/ml	99
42) 1,1-Biphenyl	14.48	154	594818	11.41	ug/ml	90
43) 2-Chloronaphthalene	14.52	162	459034	11.11	ug/ml	97
44) 2-Nitroaniline	14.76	65	133346	12.64	ug/ml	86
45) Acenaphthylene	15.31	152	607341	10.40	ug/ml	98
46) Dimethylphthalate	15.13	163	359740	9.21	ug/ml	98
47) 2,6-Dinitrotoluene	15.27	165	79655	8.58	ug/ml	82
48) Acenaphthene	15.66	153	354532	10.45	ug/ml	92
49) 3-Nitroaniline	15.53	138	89749	9.20	ug/ml	98
50) 2,4-Dinitrophenol	15.73	184	205958	27.82	ug/ml	85
51) Dibenzofuran	15.95	168	441900	8.88	ug/ml	96
52) 2,4-Dinitrotoluene	16.01	165	92400	8.05	ug/ml	95
53) 4-Nitrophenol	15.82	109	176872	49.54	ug/ml#	67
54) Fluorene	16.59	166	317424	8.76	ug/ml	96
55) 4-Chlorophenyl-phenylether	16.58	204	144202	7.60	ug/ml	86
56) Diethylphthalate	16.45	149	293641	7.77	ug/ml	96
57) 4-Nitroaniline	16.68	138	74024m	8.49	ug/ml	
60) 1,2,4,5-Tetrachlorbenzene	14.00	216	268377	15.69	ug/ml	98
61) 4,6-Dinitro-2-methylphenol	16.77	198	257366	45.27	ug/ml	100
62) n-Nitrosodiphenylamine	16.82	169	207360	12.24	ug/ml	96
63) 1,2-Diphenylhydrazine	16.88	77	409613	17.18	ug/ml	83
64) 4-Bromophenyl-phenylether	17.50	248	65596	9.42	ug/ml#	82
65) Hexachlorobenzene	17.80	284	82130	7.91	ug/ml	86
66) Atrazine	17.86	200	62092	10.46	ug/ml	98
67) Pentachlorophenol	18.13	266	266556	38.61	ug/ml	99
68) Pentachloronitrobenzene	18.26	237	23035	9.82	ug/ml	89
69) Phenanthrene	18.39	178	340601	10.15	ug/ml	98
70) Anthracene	18.47	178	343780	10.30	ug/ml	98
71) Carbazole	18.74	167	272586	9.25	ug/ml	100
72) Di-n-butylphthalate	19.30	149	414374	11.53	ug/ml	99
73) Fluoranthene	20.15	202	324709	9.47	ug/ml	92
75) Pyrene	20.43	202	335497	7.56	ug/ml	73

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Apr 07 13:08:47 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77) Butylbenzylphthalate	21.16	149	190165	10.19 ug/ml	96
78) 3,3-Dichlorobenzidine	21.79	252	108775	11.36 ug/ml	96
79) Benzo[a]anthracene	21.84	228	308525	9.59 ug/ml	99
80) Chrysene	21.89	228	315112	10.37 ug/ml	99
81) bis(2-Ethylhexyl)phthalate	21.78	149	264489	11.74 ug/ml	89
83) Di-n-octylphthalate	22.56	149	401650	10.19 ug/ml	99
84) Benzo[b]fluoranthene	23.42	252	361760	10.81 ug/ml	91
85) Benzo[k]fluoranthene	23.45	252	269000	7.86 ug/ml	91
86) Benzo[a]pyrene	24.04	252	301658	10.73 ug/ml	90
87) Indeno[1,2,3-cd]pyrene	26.75	276	386497	15.12 ug/ml#	60
88) Dibenz[a,h]anthracene	26.77	278	323210	15.72 ug/ml	90
89) Benzo[g,h,i]perylene	27.57	276	359338	15.71 ug/ml	82

(#) = qualifier out of range (m) = manual integration

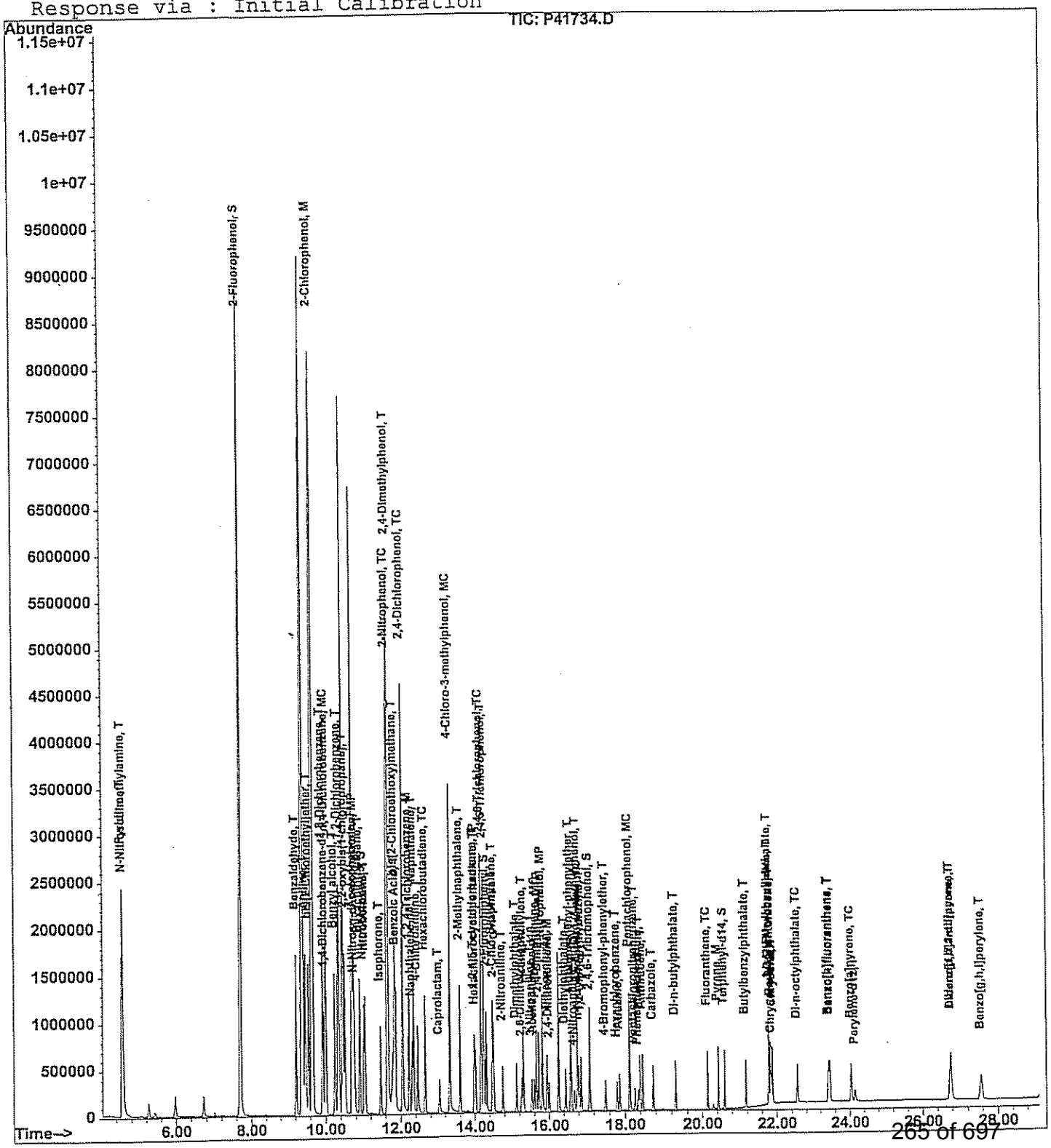
Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 15:53:08 2009
Response via : Initial Calibration

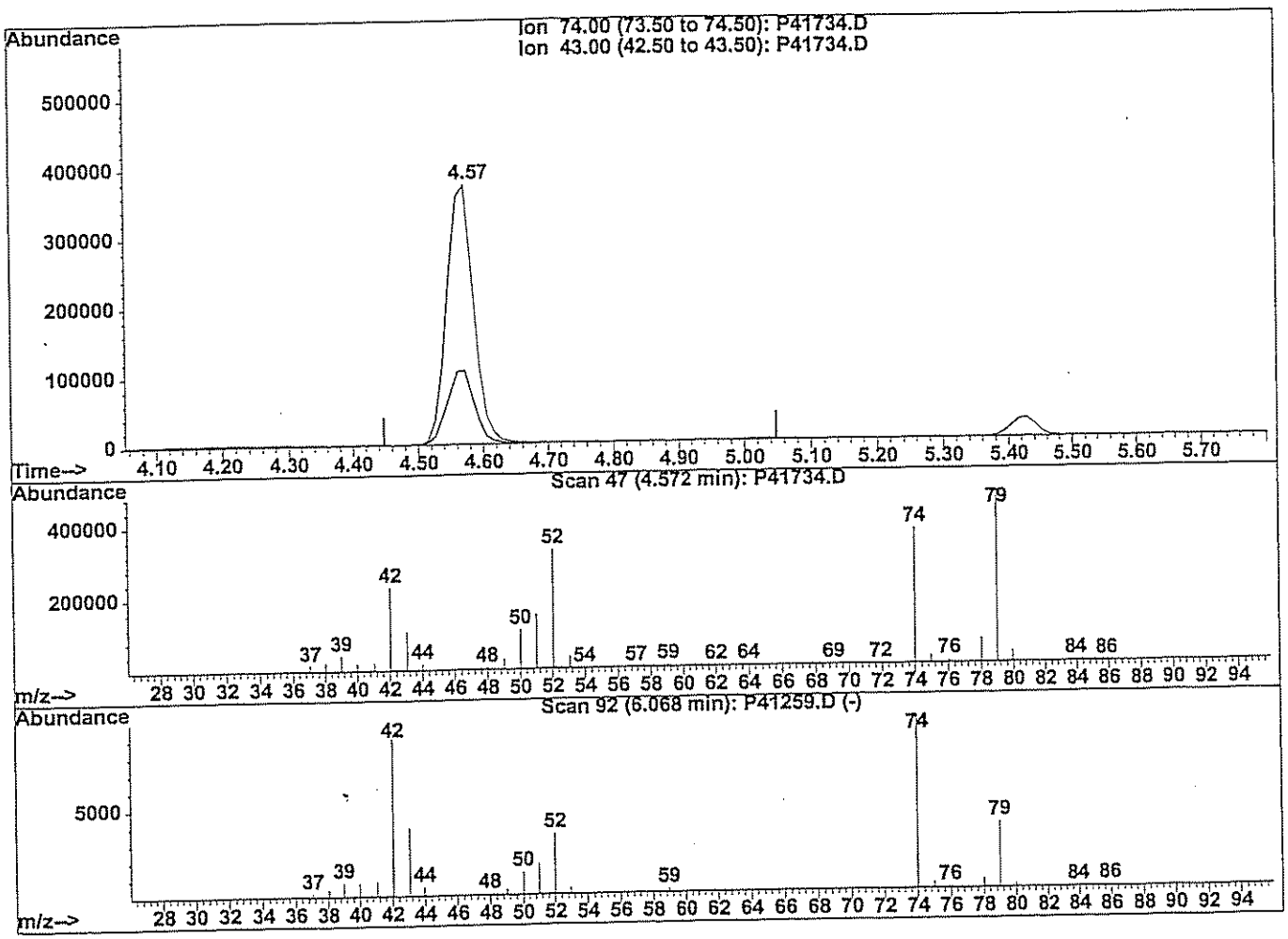


Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:05:02 2009
Response via : Single Level Calibration



TIC: P41734.D

(2) N-Nitrosodimethylamine (T)

4.57min 13.34ug/ml m

response 1074928

Ion	Exp%	Act%
74.00	100	100
43.00	38.30	28.45
0.00	0.00	0.00
0.00	0.00	0.00

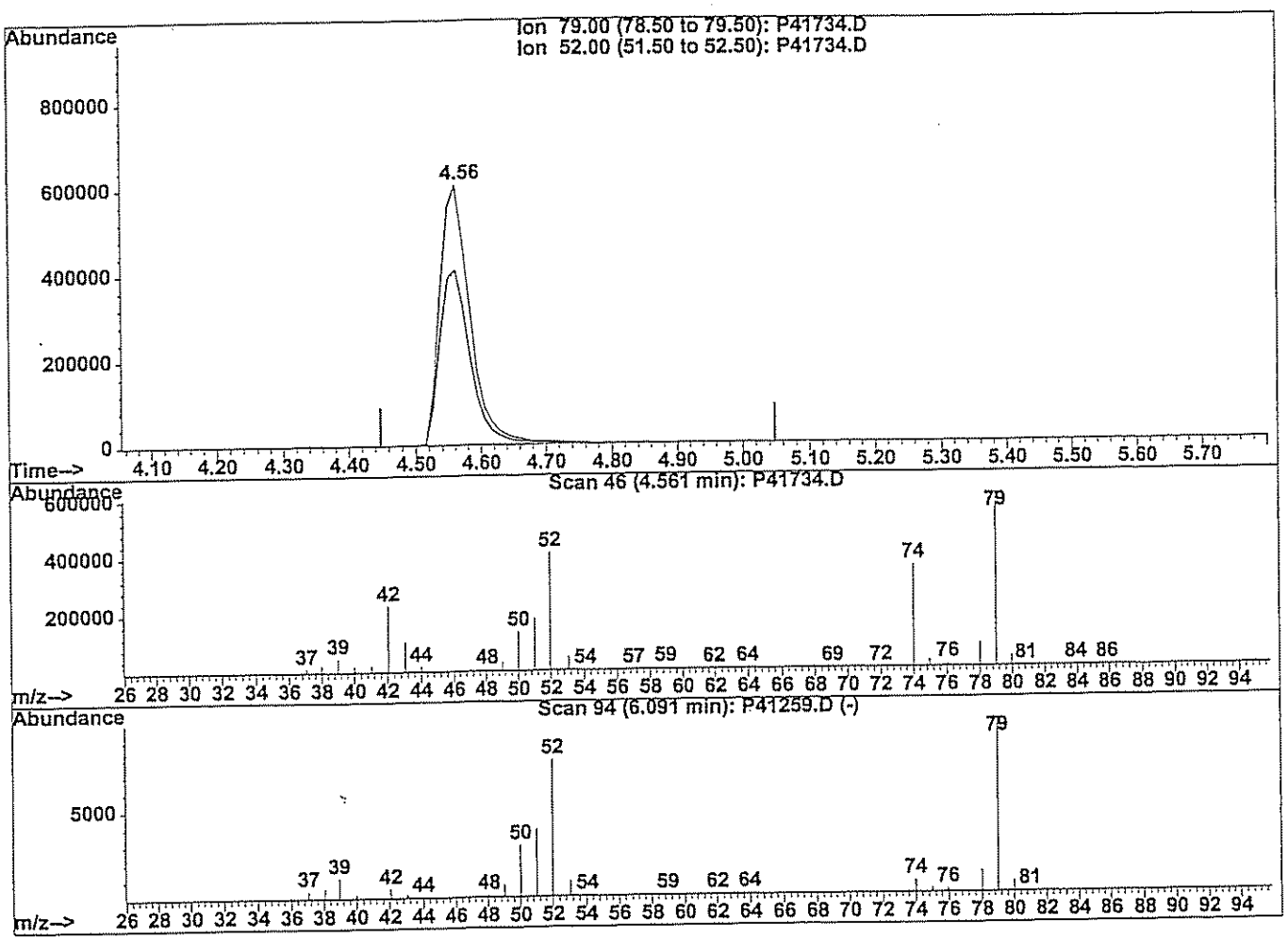
04/09/09

Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:05:02 2009
Response via : Single Level Calibration



TIC: P41734.D

(3) Pyridine (T)

4.56min 14.69ug/ml m

response 1972531

Ion	Exp%	Act%
79.00	100	100
52.00	77.40	67.51
0.00	0.00	0.00
0.00	0.00	0.00

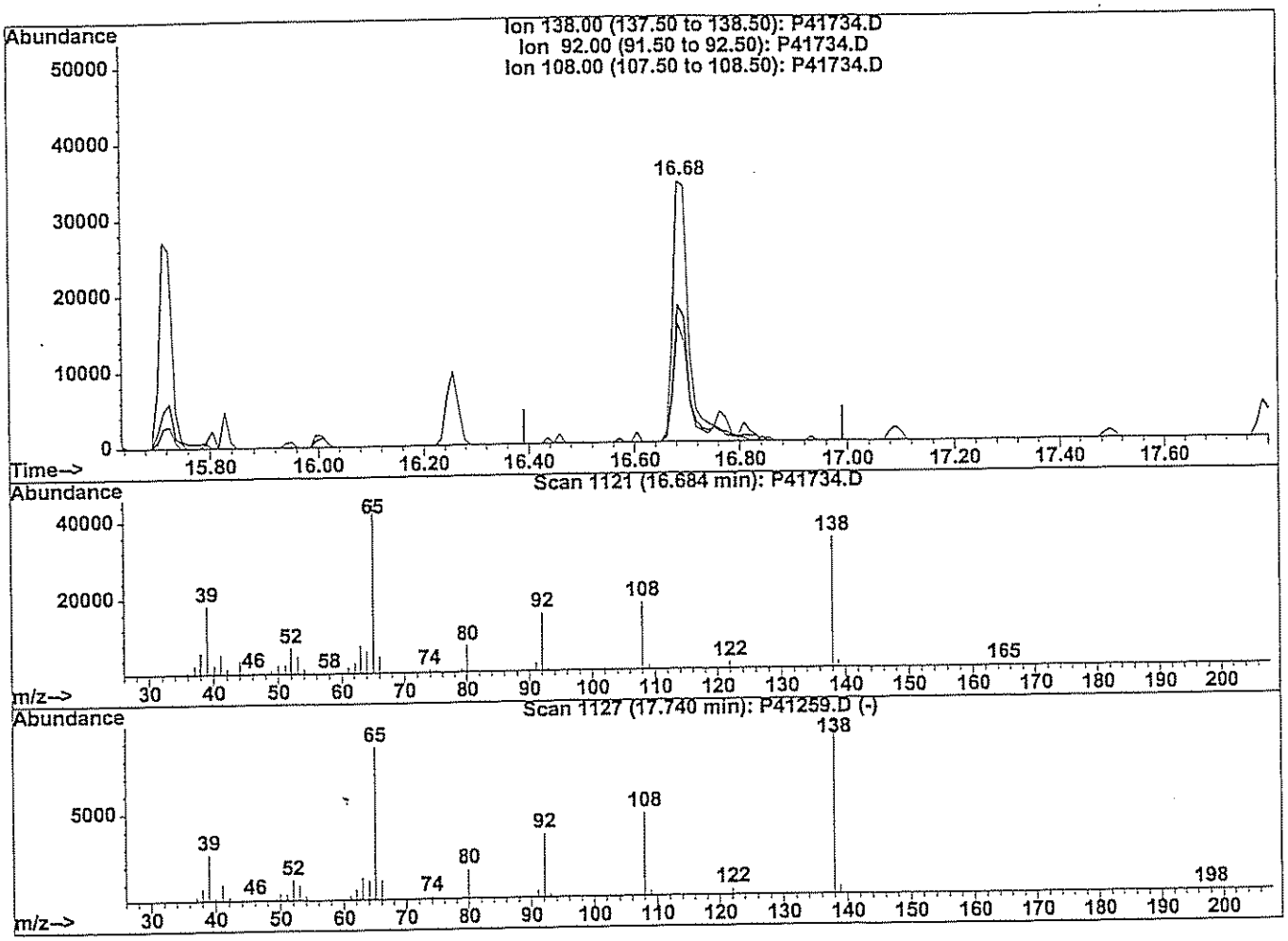
JK
04/09/09

Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41734.D
Acq On : 9 Apr 2009 13:01
Sample : SSTD010
Misc : SSTD010 HP#P JI
Quant Time: Apr 9 15:54 2009

Vial: 8
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:05:02 2009
Response via : Single Level Calibration



TIC: P41734.D

(57) 4-Nitroaniline (T)

16.68min 8.49ug/ml m

response 74024

Ion	Exp%	Act%
138.00	100	100
92.00	34.60	45.23
108.00	44.00	52.36
0.00	0.00	0.00

04/09/09

P41734.D L8270GT1.M Thu Apr 09 16:21:21 2009

Continuing Calibration Report GC/MS-P

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 15:19:01 2009
Response via : Initial Calibration

Continuing Calibration File: P41735.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	61
2	T	N-Nitrosodimethylamine	1.551	1.191	23.2#	49#
3	T	Pyridine	2.758	2.454	11.0	55
4	S	2-Fluorophenol	2.042	0.009#	99.6#	0#
5	T	Benzaldehyde	0.905	0.008#	99.1#	0#
6	T	Aniline	0.888	0.504	43.3#	44#
7	T	bis(2-Chloroethyl)ether	1.210	1.038	14.2	62
8	S	Phenol-d5	2.074	0.011#	99.4#	0#
9	MC	Phenol	2.041	1.806	11.5	0#
10	M	2-Chlorophenol	1.412	1.246	11.7	14#
11	T	1,3-Dichlorobenzene	1.673	1.384	17.3	53
12	MC	1,4-Dichlorobenzene	1.623	1.362	16.1	55
13	T	1,2-Dichlorobenzene	1.441	1.240	13.9	58
14	T	Benzyl alcohol	0.706	0.789	-11.7	84
15	T	2,2-oxybis(1-chloropropane)	2.544	2.427	4.6	69
16	T	2-Methylphenol	1.176	1.083	7.9	0#
17	T	Acetophenone	1.443	1.421	1.5	83
18	T	Hexachloroethane	0.579	0.494	14.6	54
19	MP	N-Nitroso-di-n-propylamine	0.809	0.893	-10.4	97
20	T	4-Methylphenol	1.154	1.107	4.0	0#
21	I	Naphthalene-d8	1.000	1.000	0.0	90
22	S	Nitrobenzene-d5	0.466	0.039#	91.7#	7#
23	T	Nitrobenzene	0.466	0.415	11.1	80
24	T	Isophorone	0.692	0.703	-1.6	104
25	TC	2-Nitrophenol	0.197	0.192	2.1	17#
26	T	2,4-Dimethylphenol	0.369	0.329	10.9	19#
27	T	Benzoic Acid	0.197	0.238	-20.8#	21#
28	T	bis(2-Chloroethoxy)methane	0.474	0.419	11.6	85
29	TC	2,4-Dichlorophenol	0.266	0.268	-0.7	20#
30	M	1,2,4-Trichlorobenzene	0.331	0.270	18.5	68
31	T	Naphthalene	1.048	0.890	15.0	78
32	T	4-Chloroaniline	0.369	0.089	76.0#	23#
33	TC	Hexachlorobutadiene	0.173	0.130	24.9#	62
34	T	Caprolactam	0.064	0.095	-48.4#	151#
35	MC	4-Chloro-3-methylphenol	0.204	0.238	-16.8	25#
36	T	2-Methylnaphthalene	0.508	0.511	-0.7	102
37	I	Acenaphthene-d10	1.000	1.000	0.0	140
38	TP	Hexachlorocyclopentadiene	0.468	0.326	30.5#	80
39	TC	2,4,6-Trichlorophenol	0.442	0.369	16.4	24#
40	T	2,4,5-Trichlorophenol	0.473	0.406	14.2	25#
41	S	2-Fluorobiphenyl	1.701	0.003#	99.8#	0#
42	T	1,1-Biphenyl	1.863	1.431	23.2#	106

(#) = Out of Range

Continuing Calibration Report GC/MS-P

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 15:19:01 2009
Response via : Initial Calibration

Continuing Calibration File: P41735.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
43	T	2-Chloronaphthalene	1.437	1.148	20.1#	110
44	T	2-Nitroaniline	0.408	0.436	-6.9	144
45	T	Acenaphthylene	1.968	1.680	14.6	122
46	T	Dimethylphthalate	1.173	1.194	-1.8	146
47	T	2,6-Dinitrotoluene	0.228	0.268	-17.7	148
48	MC	Acenaphthene	1.150	0.983	14.5	122
49	T	3-Nitroaniline	0.253	0.233	7.8	115
50	TP	2,4-Dinitrophenol	0.101	0.081	20.0	17#
51	T	Dibenzofuran	1.524	1.390	8.8	139
52	M	2,4-Dinitrotoluene	0.273	0.363	-33.1#	173#
53	MP	4-Nitrophenol	0.102	0.120	-17.7	30#
54	T	Fluorene	1.030	0.964	6.4	134
55	T	4-Chlorophenyl-phenylether	0.469	0.445	5.0	136
56	T	Diethylphthalate	0.957	1.053	-10.0	158#
57	T	4-Nitroaniline	0.227	0.278	-22.0#	165#
58	S	2,4,6-Tribromophenol	0.130	-0.000#	100.0#	-0#
59	I	Phenanthrene-d10	1.000	1.000	0.0	182#
60	T	1,2,4,5-Tetrachlorbenzene	0.777	-0.000#	100.0#	-0#
61	T	4,6-Dinitro-2-methylphenol	0.121	0.114	5.7	26#
62	TC	n-Nitrosodiphenylamine	0.625	0.263	57.9#	75
63	T	1,2-Diphenylhydrazine	1.281	0.975	23.9#	140
64	T	4-Bromophenyl-phenylether	0.195	0.196	-0.5	176#
65	T	Hexachlorobenzene	0.248	0.223	10.0	160#
66	T	Atrazine	0.174	0.174	-0.2	165#
67	MC	Pentachlorophenol	0.144	0.119	17.2	26#
68	T	Pentachloronitrobenzene	0.060	-0.000#	100.0#	-0#
69	T	Phenanthrene	1.069	0.901	15.7	156#
70	T	Anthracene	1.064	0.914	14.1	156#
71	T	Carbazole	0.906	0.888	2.0	192#
72	T	Di-n-butylphthalate	1.172	1.232	-5.1	175#
73	TC	Fluoranthene	0.913	0.926	-1.5	168#
74	I	Chrysene-d12	1.000	1.000	0.0	196#
75	M	Pyrene	1.355	1.032	23.8#	172#
76	S	Terphenyl-d14	0.861	0.003#	99.7#	1#
77	T	Butylbenzylphthalate	0.672	0.575	14.3	169#
78	T	3,3-Dichlorobenzidine	0.364	0.240	34.2#	123
79	T	Benzo[a]anthracene	1.161	0.960	17.3	174#
80	T	Chrysene	1.073	0.922	14.1	164#
81	T	bis(2-Ethylhexyl)phthalate	0.964	0.813	15.7	172#
82	I	Perylene-d12	1.000	1.000	0.0	121
83	TC	Di-n-octylphthalate	2.313	2.851	-23.2#	185#

(#) = Out of Range

Continuing Calibration Report GC/MS-P

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 15:19:01 2009
Response via : Initial Calibration

Continuing Calibration File: P41735.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%
84 T	Benzo[b]fluoranthene	1.782	2.047	-14.9	148
85 T	Benzo[k]fluoranthene	1.443	1.674	-16.0	162#
86 TC	Benzo[a]pyrene	1.483	1.600	-7.9	138
87 T	Indeno[1,2,3-cd]pyrene	1.550	1.536	0.9	104
88 T	Dibenz[a,h]anthracene	1.305	1.265	3.1	102
89 T	Benzo[g,h,i]perylene	1.365	1.288	5.6	93

(#) = Out of Range SPCC's out = 0 CCC's out = 3

	Spike	Quant	
Acetophenone	10	9.85	101.52%
N-Nitroso-di-n-propylamine	10	11.04	90.58%
Benzoic Acid	10	11.32	88.34%
2-Nitroaniline	10	10.69	93.55%
2,6-Dinitrotoluene	10	11.77	84.96%
3-Nitroaniline	10	8.79	113.77%
2,4-Dinitrophenol	10	8	125.00% *
2,4-Dinitrotoluene	10	12.55	79.68% *
4-Nitrophenol	10	11.77	84.96%
4,6-Dinitro-2-methylphenol	10	9.43	106.04%
Benzo[k]fluoranthene	10	11.6	86.21%
Indeno[1,2,3-cd]pyrene	10	9.91	100.91%

Quantitation Report (Not Reviewed)

Data File : C:\GCMSDATA\P\040909\P41735.D
Acq On : 9 Apr 2009 13:41
Sample : SSTD010ICV
Misc : SSTD010ICV HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 14:10 2009

Vial: 9
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.98	152	177826	4.00 ug/ml	-0.02
21) Naphthalene-d8	12.31	136	491555	4.00 ug/ml	0.00
37) Acenaphthene-d10	15.60	164	176396	4.00 ug/ml	0.00
59) Phenanthrene-d10	18.35	188	235269	4.00 ug/ml	0.00
74) Chrysene-d12	21.86	240	223950	4.00 ug/ml	0.00
82) Perylene-d12	24.15	264	104311	4.00 ug/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	7.71	112	3814	0.04 ug/ml	-0.05
Spiked Amount 4.000	Range 20 - 118		Recovery = 1.00%#		
8) Phenol-d5	9.35	99	5084	0.06 ug/ml	-0.04
Spiked Amount 4.000	Range 29 - 133		Recovery = 1.50%#		
22) Nitrobenzene-d5	10.92	82	47692	0.83 ug/ml	-0.12
Spiked Amount 2.000	Range 20 - 137		Recovery = 41.50%		
41) 2-Fluorobiphenyl	14.32	172	1484	0.02 ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 1.00%#		
58) 2,4,6-Tribromophenol	0.00	330	0	0.00 ug/ml	
Spiked Amount 4.000	Range 24 - 177		Recovery = 0.00%#		
76) Terphenyl-d14	20.60	244	1589	0.03 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 1.50%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	4.63	74	529323	7.68 ug/ml	90
3) Pyridine	4.62	79	1091032	8.90 ug/ml	95
5) Benzaldehyde	9.22	77	3461	0.09 ug/ml#	78
6) Aniline	9.45	66	223863	5.83 ug/ml	91
7) bis(2-Chloroethyl)ether	9.53	63	461452	8.58 ug/ml	99
9) Phenol	9.38	94	803103	9.74 ug/ml	96
10) 2-Chlorophenol	9.66	128	554133	9.31 ug/ml	97
11) 1,3-Dichlorobenzene	9.92	146	615237	8.27 ug/ml	98
12) 1,4-Dichlorobenzene	10.02	146	605290	8.39 ug/ml	98
13) 1,2-Dichlorobenzene	10.36	146	551465	8.61 ug/ml	100
14) Benzyl alcohol	10.24	108	350804	11.17 ug/ml	97
15) 2,2-oxybis(1-chloropropane	10.51	45	1079146	9.54 ug/ml	98
16) 2-Methylphenol	10.46	108	481659	10.17 ug/ml	98
17) Acetophenone	10.74	105	631727	9.85 ug/ml	99
18) Hexachloroethane	10.92	117	219741	8.54 ug/ml	97
19) N-Nitroso-di-n-propylamine	10.76	70	396969	11.04 ug/ml	97
20) 4-Methylphenol	10.71	108	984320	21.09 ug/ml	94
23) Nitrobenzene	11.06	77	509533	8.89 ug/ml	96
24) Isophorone	11.46	82	863997	10.16 ug/ml	98
25) 2-Nitrophenol	11.64	139	236550	9.79 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\GCMSDATA\P\040909\P41735.D
Acq On : 9 Apr 2009 13:41
Sample : SSTD010ICV
Misc : SSTD010ICV HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 14:10 2009

Vial: 9
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	11.67	107	404295	9.39 ug/ml	99
27) Benzoic Acid	11.80	105	292648	11.32 ug/ml	99
28) bis(2-Chloroethoxy)methane	11.85	93	514628	8.84 ug/ml	98
29) 2,4-Dichlorophenol	12.05	162	329242	10.07 ug/ml	96
30) 1,2,4-Trichlorobenzene	12.23	180	331305	8.15 ug/ml	98
31) Naphthalene	12.35	128	1094191	8.50 ug/ml	99
32) 4-Chloroaniline	12.47	127	108988	2.40 ug/ml	93
33) Hexachlorobutadiene	12.67	225	159713	7.51 ug/ml	97
34) Caprolactam	13.02	113	116149	14.84 ug/ml	96
35) 4-Chloro-3-methylphenol	13.33	107	292933	11.68 ug/ml	96
36) 2-Methylnaphthalene	13.62	142	628385	10.07 ug/ml	98
38) Hexachlorocyclopentadiene	14.03	237	143605	6.95 ug/ml	99
39) 2,4,6-Trichlorophenol	14.18	196	162850	8.36 ug/ml	96
40) 2,4,5-Trichlorophenol	14.25	196	179135	9.06 ug/ml	97
42) 1,1-Biphenyl	14.48	154	630896	7.68 ug/ml	99
43) 2-Chloronaphthalene	14.53	162	506401	7.99 ug/ml	94
44) 2-Nitroaniline	14.77	65	192243	10.69 ug/ml	94
45) Acenaphthylene	15.32	152	741061	8.54 ug/ml	99
46) Dimethylphthalate	15.14	163	526451	10.18 ug/ml	98
47) 2,6-Dinitrotoluene	15.27	165	118109	11.77 ug/ml	92
48) Acenaphthene	15.66	153	433538	8.55 ug/ml	97
49) 3-Nitroaniline	15.53	138	102864	8.79 ug/ml	97
50) 2,4-Dinitrophenol	15.73	184	35524	8.00 ug/ml	89
51) Dibenzofuran	15.95	168	613051	9.12 ug/ml	97
52) 2,4-Dinitrotoluene	16.01	165	159918	12.55 ug/ml	84
53) 4-Nitrophenol	15.82	109	53035	11.77 ug/ml	96
54) Fluorene	16.59	166	425024	9.36 ug/ml	98
55) 4-Chlorophenyl-phenylether	16.58	204	196314	9.50 ug/ml	95
56) Diethylphthalate	16.45	149	464455	11.00 ug/ml	98
57) 4-Nitroaniline	16.68	138	122375	12.20 ug/ml	94
61) 4,6-Dinitro-2-methylphenol	16.76	198	67265	9.43 ug/ml	100
62) n-Nitrosodiphenylamine	16.81	169	154837	4.21 ug/ml	95
63) 1,2-Diphenylhydrazine	16.88	77	573417	7.61 ug/ml	95
64) 4-Bromophenyl-phenylether	17.50	248	115523	10.05 ug/ml	96
65) Hexachlorobenzene	17.79	284	131445	9.00 ug/ml	97
66) Atrazine	17.86	200	102383	10.02 ug/ml	97
67) Pentachlorophenol	18.13	266	69990	8.28 ug/ml	96
69) Phenanthrene	18.39	178	530200	8.43 ug/ml	99
70) Anthracene	18.47	178	537623	8.59 ug/ml	99
71) Carbazole	18.74	167	522197	9.80 ug/ml	100
72) Di-n-butylphthalate	19.30	149	724594	10.51 ug/ml	99
73) Fluoranthene	20.15	202	544882	10.15 ug/ml	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\GCMSDATA\P\040909\P41735.D
Acq On : 9 Apr 2009 13:41
Sample : SSTD010ICV
Misc : SSTD010ICV HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 14:10 2009

Vial: 9
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 13:41:49 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75) Pyrene	20.43	202	577784	7.62 ug/ml	89
77) Butylbenzylphthalate	21.17	149	322175	8.57 ug/ml	95
78) 3,3-Dichlorobenzidine	21.79	252	134105	6.58 ug/ml	92
79) Benzo[a]anthracene	21.84	228	537524	8.27 ug/ml	99
80) Chrysene	21.89	228	516045	8.59 ug/ml	98
81) bis(2-Ethylhexyl)phthalate	21.78	149	454915	8.43 ug/ml	95
83) Di-n-octylphthalate	22.56	149	743382	12.32 ug/ml	97
84) Benzo[b]fluoranthene	23.42	252	533778	11.49 ug/ml	96
85) Benzo[k]fluoranthene	23.46	252	436431	11.60 ug/ml	97
86) Benzo[a]pyrene	24.04	252	417248	10.79 ug/ml	95
87) Indeno[1,2,3-cd]pyrene	26.75	276	400564	9.91 ug/ml	94
88) Dibenz[a,h]anthracene	26.77	278	329784	9.87 ug/ml	95
89) Benzo[g,h,i]perylene	27.57	276	335980	9.44 ug/ml	94

(#) = qualifier out of range (m) = manual integration

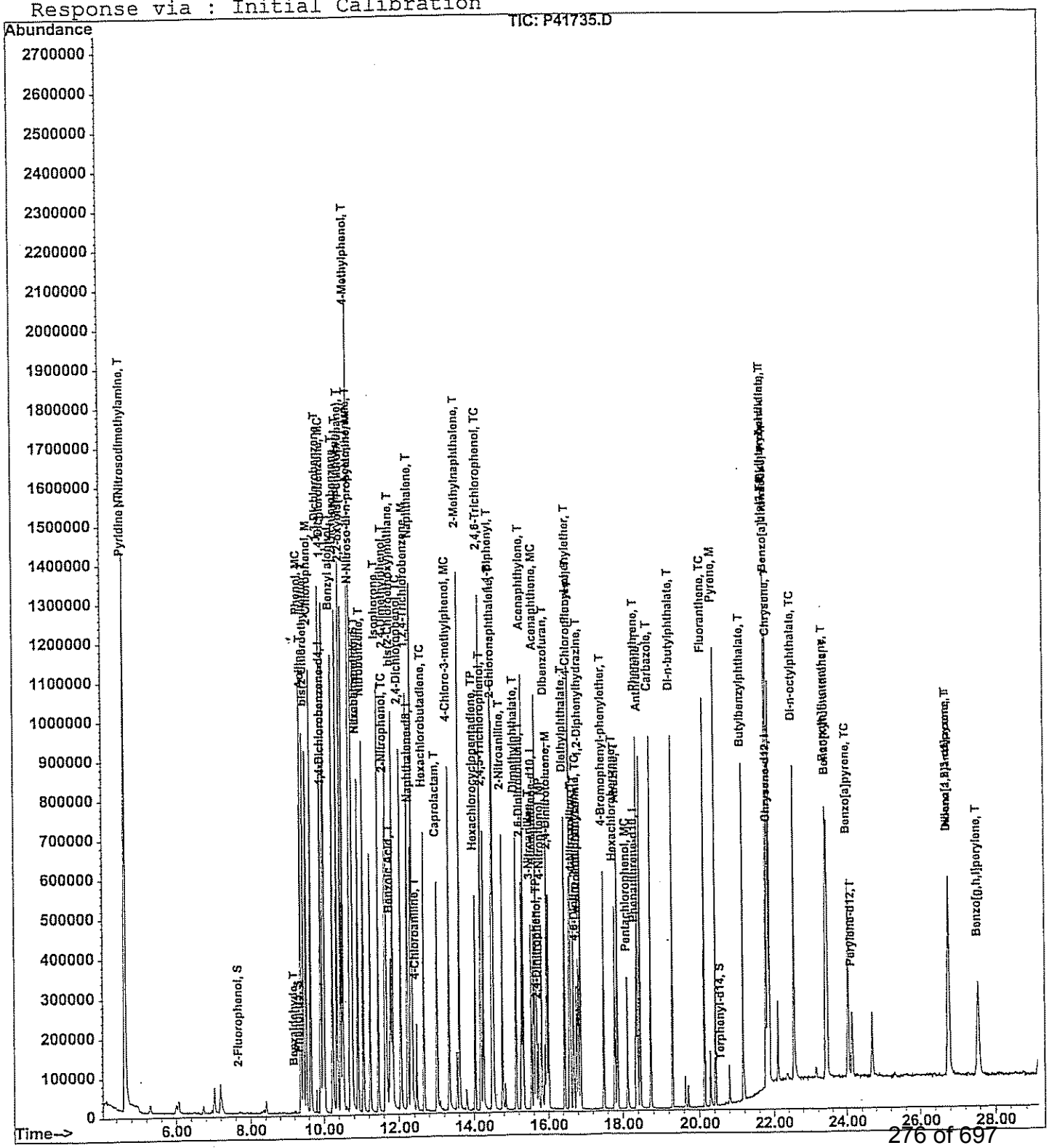
Quantitation Report

Data File : C:\GCMSDATA\P\040909\P41735.D
Acq On : 9 Apr 2009 13:41
Sample : SSTD010ICV
Misc : SSTD010ICV HP#P JI
MS Integration Params: rteint.p
Quant Time: Apr 9 14:10 2009

Vial: 9
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Thu Apr 09 16:05:02 2009
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	190#	0.00
2	T	N-Nitrosodimethylamine	1.551	1.309	15.6	154#	0.00
3	T	Pyridine	2.758	0.002	99.9#	0#	0.15
4	S	2-Fluorophenol	2.042	2.290	-12.1	202#	0.00
5	T	Benzaldehyde	0.905	0.614	32.2#	188#	0.00
6	T	Aniline	0.888	3.155	-255.3#	561#	0.00
7	T	bis(2-Chloroethyl)ether	1.210	1.650	-36.4#	235#	0.00
8	S	Phenol-d5	2.074	2.212	-6.7	196#	0.00
9	MC	Phenol	2.041	2.226	-9.1	201#	0.00
10	M	2-Chlorophenol	1.412	1.573	-11.4	202#	0.00
11	T	1,3-Dichlorobenzene	1.673	1.686	-0.8	193#	0.00
12	MC	1,4-Dichlorobenzene	1.623	1.618	0.3	186#	0.00
13	T	1,2-Dichlorobenzene	1.441	1.522	-5.6	190#	0.00
14	T	Benzyl alcohol	0.706	0.044	93.8#	9#	0.16
15	T	2,2-oxybis(1-chloropropane)	2.544	3.433	-34.9#	238#	0.00
16	T	2-Methylphenol	1.176	1.324	-12.6	202#	0.00
17	T	Acetophenone	1.443	1.629	-12.9	177#	0.00
18	T	Hexachloroethane	0.579	0.588	-1.6	190#	0.00
19	MP	N-Nitroso-di-n-propylamine	0.809	1.080	-33.5#	192#	0.00
20	T	4-Methylphenol	1.154	1.302	-12.8	195#	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	190#	0.00
22	S	Nitrobenzene-d5	0.466	0.491	-5.4	195#	0.00
23	T	Nitrobenzene	0.466	0.471	-1.1	188#	0.00
24	T	Isophorone	0.692	0.834	-20.5	188#	0.00
25	TC	2-Nitrophenol	0.197	0.232	-17.8	206#	0.00
26	T	2,4-Dimethylphenol	0.369	0.383	-3.8	191#	0.00
27	T	Benzoic Acid	0.197	0.227	-15.2	175#	0.00
28	T	bis(2-Chloroethoxy)methane	0.474	0.502	-5.9	183#	0.00
29	TC	2,4-Dichlorophenol	0.266	0.293	-10.2	191#	0.00
30	M	1,2,4-Trichlorobenzene	0.331	0.314	5.1	182#	0.00
31	T	Naphthalene	1.048	1.060	-1.1	189#	0.00
32	T	4-Chloroaniline	0.369	0.198	46.3#	88	0.00
33	TC	Hexachlorobutadiene	0.173	0.164	5.2	188#	0.00
34	T	Caprolactam	0.064	0.090	-40.6#	175#	0.00
35	MC	4-Chloro-3-methylphenol	0.204	0.249	-22.1#	189#	0.00
36	T	2-Methylnaphthalene	0.508	0.591	-16.3	197#	0.00
37	I	Acenaphthene-d10	1.000	1.000	0.0	193#	0.00
38	TP	Hexachlorocyclopentadiene	0.468	0.397	15.2	185#	0.00
39	TC	2,4,6-Trichlorophenol	0.442	0.425	3.8	198#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
40	T	2,4,5-Trichlorophenol	0.473	0.482	-1.9	208#	0.00
41	S	2-Fluorobiphenyl	1.701	1.492	12.3	187#	0.00
42	T	1,1-Biphenyl	1.863	1.727	7.3	187#	0.00
43	T	2-Chloronaphthalene	1.437	1.328	7.6	189#	0.00
44	T	2-Nitroaniline	0.395	0.478	-21.0	199#	0.00
45	T	Acenaphthylene	1.968	1.987	-1.0	188#	0.00
46	T	Dimethylphthalate	1.173	1.275	-8.7	193#	0.00
47	T	2,6-Dinitrotoluene	0.228	0.296	-29.8#	211#	0.00
48	MC	Acenaphthene	1.150	1.210	-5.2	201#	0.00
49	T	3-Nitroaniline	0.253	0.276	-9.1	166#	0.00
50	TP	2,4-Dinitrophenol	0.101	0.208	-105.9#	435#	0.00
51	T	Dibenzofuran	1.524	1.534	-0.7	186#	0.00
52	M	2,4-Dinitrotoluene	0.273	0.376	-37.7#	237#	0.00
53	MP	4-Nitrophenol	0.102	0.109	-6.9	174#	0.00
54	T	Fluorene	1.030	1.123	-9.0	193#	0.00
55	T	4-Chlorophenyl-phenylether	0.469	0.502	-7.0	196#	0.00
56	T	Diethylphthalate	0.957	1.084	-13.3	200#	0.00
57	T	4-Nitroaniline	0.227	0.200	11.9	160#	0.00
58	S	2,4,6-Tribromophenol	0.130	0.165	-26.9#	219#	0.00
59	I	Phenanthrene-d10	1.000	1.000	0.0	198#	0.00
60	T	1,2,4,5-Tetrachlorobenzene	0.777	0.579	25.5#	192#	0.00
61	T	4,6-Dinitro-2-methylphenol	0.121	0.192	-58.7#	316#	0.00
62	TC	n-Nitrosodiphenylamine	0.625	0.541	13.4	156#	0.00
63	T	1,2-Diphenylhydrazine	1.281	1.222	4.6	177#	0.00
64	T	4-Bromophenyl-phenylether	0.195	0.198	-1.5	197#	0.00
65	T	Hexachlorobenzene	0.248	0.275	-10.9	207#	0.00
66	T	Atrazine	0.174	0.174	0.0	188#	0.00
67	MC	Pentachlorophenol	0.144	0.189	-31.3#	236#	0.00
68	T	Pentachloronitrobenzene	0.060	0.076	-26.7#	233#	0.00
69	T	Phenanthrene	1.069	1.132	-5.9	202#	0.00
70	T	Anthracene	1.064	1.078	-1.3	180#	0.00
71	T	Carbazole	0.906	0.960	-6.0	181#	0.00
72	T	Di-n-butylphthalate	1.172	1.160	1.0	187#	0.00
73	TC	Fluoranthene	0.913	0.892	2.3	185#	0.00
74	I	Chrysene-d12	1.000	1.000	0.0	135	0.00
75	M	Pyrene	1.355	2.006	-48.0#	185#	0.00
76	S	Terphenyl-d14	0.861	1.282	-48.9#	189#	0.00
77	T	Butylbenzylphthalate	0.672	0.876	-30.4#	167#	0.00
78	T	3,3-Dichlorobenzidine	0.364	0.180	50.5#	64	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Single Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
79	T	Benzo[a]anthracene	1.161	1.376	-18.5	152#	0.00
80	T	Chrysene	1.073	1.152	-7.4	132	0.00
81	T	bis(2-Ethylhexyl)phthalate	0.964	1.167	-21.1	155#	0.00
82	I	Perylene-d12	1.000	1.000	0.0	168#	0.00
83	TC	Di-n-octylphthalate	2.313	2.943	-27.2#	157#	0.00
84	T	Benzo[b]fluoranthene	1.782	2.428	-36.3#	183#	0.00
85	T	Benzo[k]fluoranthene	1.443	1.816	-25.8#	152#	0.00
86	TC	Benzo[a]pyrene	1.483	1.931	-30.2#	170#	0.00
87	T	Indeno[1,2,3-cd]pyrene	1.550	2.002	-29.2#	189#	0.00
88	T	Dibenz[a,h]anthracene	1.305	1.601	-22.7	176#	0.00
89	T	Benzo[g,h,i]perylene	1.365	1.723	-26.2#	190#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 4
P42307.D L8270GT1.M Tue May 12 08:51:06 2009 J

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	394283	4.00	ug/ml	0.00
21) Naphthalene-d8	10.57	136	1103835	4.00	ug/ml	0.00
37) Acenaphthene-d10	13.79	164	370439	4.00	ug/ml	0.00
59) Phenanthrene-d10	16.50	188	421778	4.00	ug/ml	0.00
74) Chrysene-d12	20.55	240	189257	4.00	ug/ml	0.00
82) Perylene-d12	22.05	264	111246	4.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	2821363	14.01	ug/ml	0.00
Spiked Amount 4.000	Range 20 - 118		Recovery = 350.25%#			
8) Phenol-d5	7.78	99	2725151	13.33	ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery = 333.25%#			
22) Nitrobenzene-d5	9.32	82	338734	2.63	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery = 131.50%			
41) 2-Fluorobiphenyl	12.59	172	345442	2.19	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 109.50%			
58) 2,4,6-Tribromophenol	15.27	330	190746	15.78	ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery = 394.50%#			
76) Terphenyl-d14	19.30	244	151693	3.72	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 186.00%#			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.16	74	322457	2.11	ug/ml#	41
5) Benzaldehyde	7.46	77	151240	1.70	ug/ml	98
6) Aniline	7.80	66	777392	8.88	ug/ml	100
7) bis(2-Chloroethyl)ether	7.87	63	406612	3.41	ug/ml	89
9) Phenol	7.81	94	2742830	13.64	ug/ml	95
10) 2-Chlorophenol	7.94	128	1937863	13.92	ug/ml	95
11) 1,3-Dichlorobenzene	8.18	146	415492	2.52	ug/ml	94
12) 1,4-Dichlorobenzene	8.28	146	398759	2.49	ug/ml	95
13) 1,2-Dichlorobenzene	8.62	146	374949	2.64	ug/ml	99
14) Benzyl alcohol	8.80	108	10757m	0.15	ug/ml	
15) 2,2-oxybis(1-chloropropane	8.86	45	845969	3.37	ug/ml#	33
16) 2-Methylphenol	8.87	108	1631765	14.07	ug/ml	99
17) Acetophenone	9.05	105	401310	3.63	ug/ml	95
18) Hexachloroethane	9.17	117	144990	2.54	ug/ml	95
19) N-Nitroso-di-n-propylamine	9.11	70	266170	4.71	ug/ml	94
20) 4-Methylphenol	9.13	108	1604604	14.11	ug/ml	98
23) Nitrobenzene	9.35	77	324751	2.52	ug/ml	99
24) Isophorone	9.77	82	575309	3.01	ug/ml	95
25) 2-Nitrophenol	9.94	139	800443	14.76	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) 2,4-Dimethylphenol	10.06	107	1320016	12.96 ug/ml	99
27) Benzoic Acid	10.32	105	783690	13.73 ug/ml	97
28) bis(2-Chloroethoxy)methane	10.22	93	346175	2.65 ug/ml	95
29) 2,4-Dichlorophenol	10.39	162	1011392	13.78 ug/ml	98
30) 1,2,4-Trichlorobenzene	10.50	180	216841	2.38 ug/ml	92
31) Naphthalene	10.60	128	731089	2.53 ug/ml	96
32) 4-Chloroaniline	10.94	127	136546	1.34 ug/ml	98
33) Hexachlorobutadiene	10.95	225	113250	2.37 ug/ml	95
34) Caprolactam	11.40	113	62174	3.54 ug/ml#	81
35) 4-Chloro-3-methylphenol	11.72	107	858426	15.24 ug/ml	96
36) 2-Methylnaphthalene	11.87	142	408025	2.91 ug/ml	99
38) Hexachlorocyclopentadiene	12.30	237	91862	2.12 ug/ml	92
39) 2,4,6-Trichlorophenol	12.46	196	491601	12.01 ug/ml	99
40) 2,4,5-Trichlorophenol	12.54	196	557940	12.73 ug/ml	95
42) 1,1-Biphenyl	12.75	154	399903	2.32 ug/ml	92
43) 2-Chloronaphthalene	12.75	162	307561	2.31 ug/ml	93
44) 2-Nitroaniline	13.03	65	110668	2.80 ug/ml	93
45) Acenaphthylene	13.51	152	459935	2.52 ug/ml	99
46) Dimethylphthalate	13.43	163	295231	2.72 ug/ml	93
47) 2,6-Dinitrotoluene	13.56	165	68531	2.94 ug/ml	83
48) Acenaphthene	13.85	153	280171	2.63 ug/ml	99
49) 3-Nitroaniline	13.82	138	63972	2.43 ug/ml#	74
50) 2,4-Dinitrophenol	13.99	184	241182	24.18 ug/ml	92
51) Dibenzofuran	14.14	168	355056	2.52 ug/ml	75
52) 2,4-Dinitrotoluene	14.27	165	87007	3.22 ug/ml	81
53) 4-Nitrophenol	14.19	109	126429	12.55 ug/ml#	31
54) Fluorene	14.78	166	259954	2.73 ug/ml	95
55) 4-Chlorophenyl-phenylether	14.82	204	116301	2.68 ug/ml	97
56) Diethylphthalate	14.75	149	251049	2.83 ug/ml	94
57) 4-Nitroaniline	14.93	138	46207	2.19 ug/ml	86
60) 1,2,4,5-Tetrachlorobenzene	12.25	216	152698	1.86 ug/ml	92
61) 4,6-Dinitro-2-methylphenol	15.01	198	253454	17.13 ug/ml	100
62) n-Nitrosodiphenylamine	15.06	169	142534	2.16 ug/ml	90
63) 1,2-Diphenylhydrazine	15.10	77	322158	2.39 ug/ml	96
64) 4-Bromophenyl-phenylether	15.71	248	52129	2.53 ug/ml	91
65) Hexachlorobenzene	15.95	284	72488	2.77 ug/ml	90
66) Atrazine	16.17	200	45750	2.50 ug/ml	98
67) Pentachlorophenol	16.31	266	249180	16.44 ug/ml	95
68) Pentachloronitrobenzene	16.45	237	20099	2.90 ug/ml	92
69) Phenanthrene	16.54	178	298432	2.65 ug/ml	98
70) Anthracene	16.61	178	284279	2.53 ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71)	Carbazole	16.96	167	252938	2.65 ug/ml	100
72)	Di-n-butylphthalate	17.80	149	305894	2.47 ug/ml	93
73)	Fluoranthene	18.69	202	235239	2.44 ug/ml	97
75)	Pyrene	19.02	202	237284	3.70 ug/ml	91
77)	Butylbenzylphthalate	19.97	149	103646	3.26 ug/ml	88
78)	3,3-Dichlorobenzidine	20.55	252	21325	1.24 ug/ml	84
79)	Benzo[a]anthracene	20.54	228	162787	2.96 ug/ml	98
80)	Chrysene	20.58	228	136272	2.69 ug/ml	95
81)	bis(2-Ethylhexyl)phthalate	20.65	149	138023	3.03 ug/ml	91
83)	Di-n-octylphthalate	21.27	149	204640	3.18 ug/ml	90
84)	Benzo[b]fluoranthene	21.67	252	168813m	3.41 ug/ml	
85)	Benzo[k]fluoranthene	21.67	252	126258m	3.38 ug/ml	
86)	Benzo[a]pyrene	21.99	252	134263	3.26 ug/ml#	69
87)	Indeno[1,2,3-cd]pyrene	23.43	276	139227	3.23 ug/ml	95
88)	Dibenz[a,h]anthracene	23.44	278	111308	2.79 ug/ml	83
89)	Benzo[g,h,i]perylene	23.83	276	119789	3.15 ug/ml	89

(#) = qualifier out of range (m) = manual integration

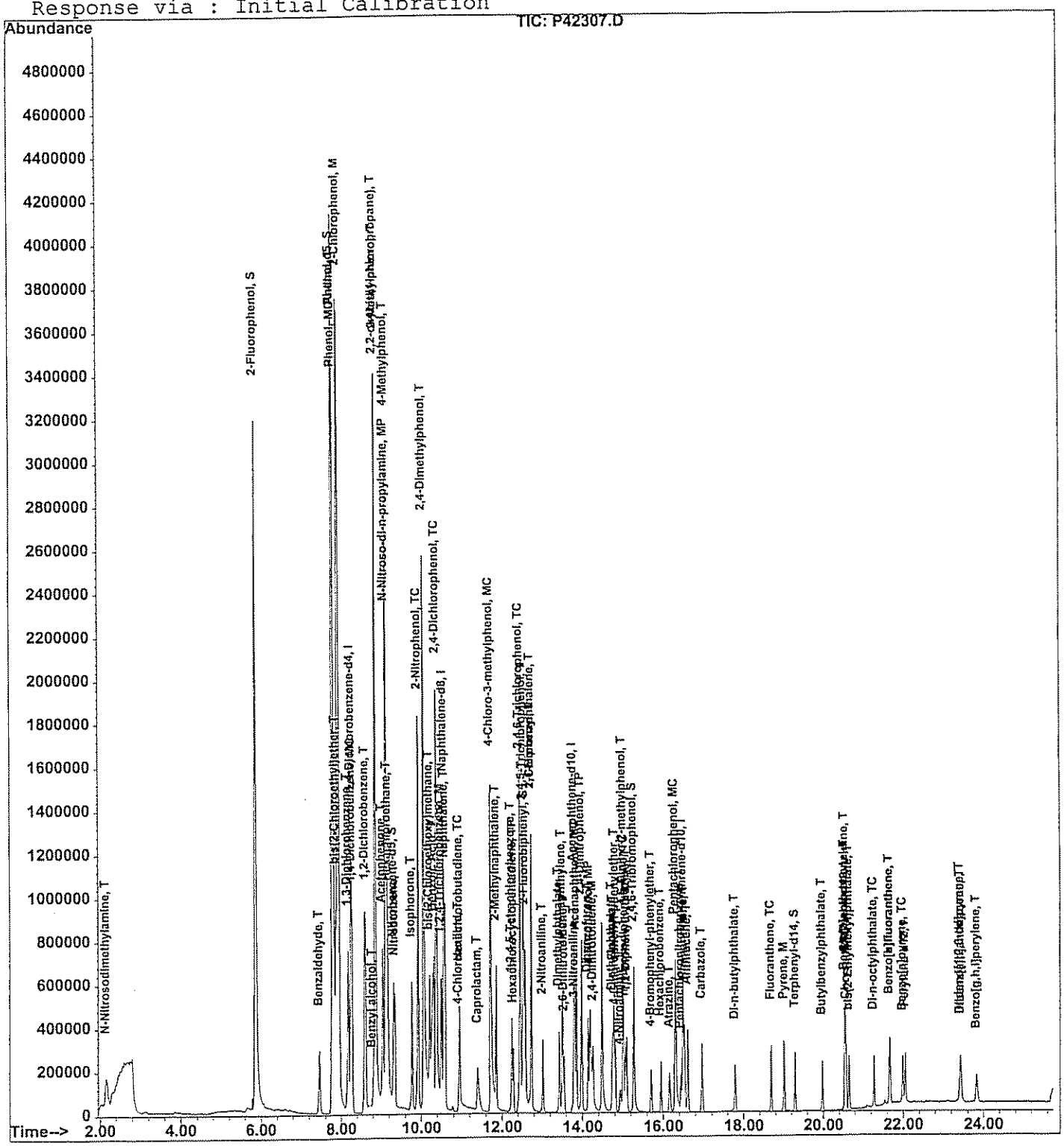
Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00

Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration

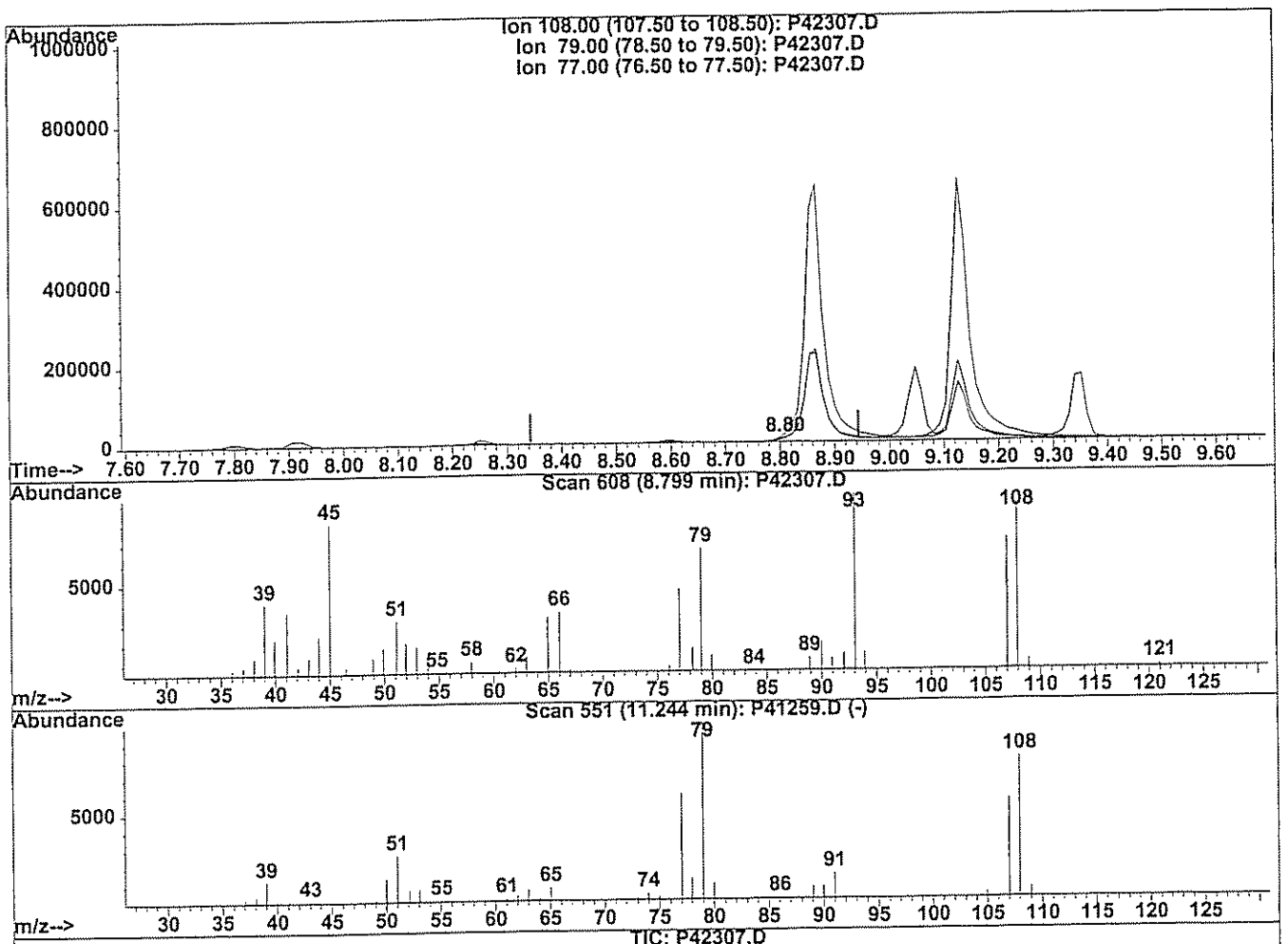


Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Single Level Calibration



(14) Benzyl alcohol (T)

8.80min 0.15ug/ml m

response 10757

Ion	Exp%	Act%
108.00	100	100
79.00	96.60	74.98#
77.00	77.10	52.52#
0.00	0.00	0.00

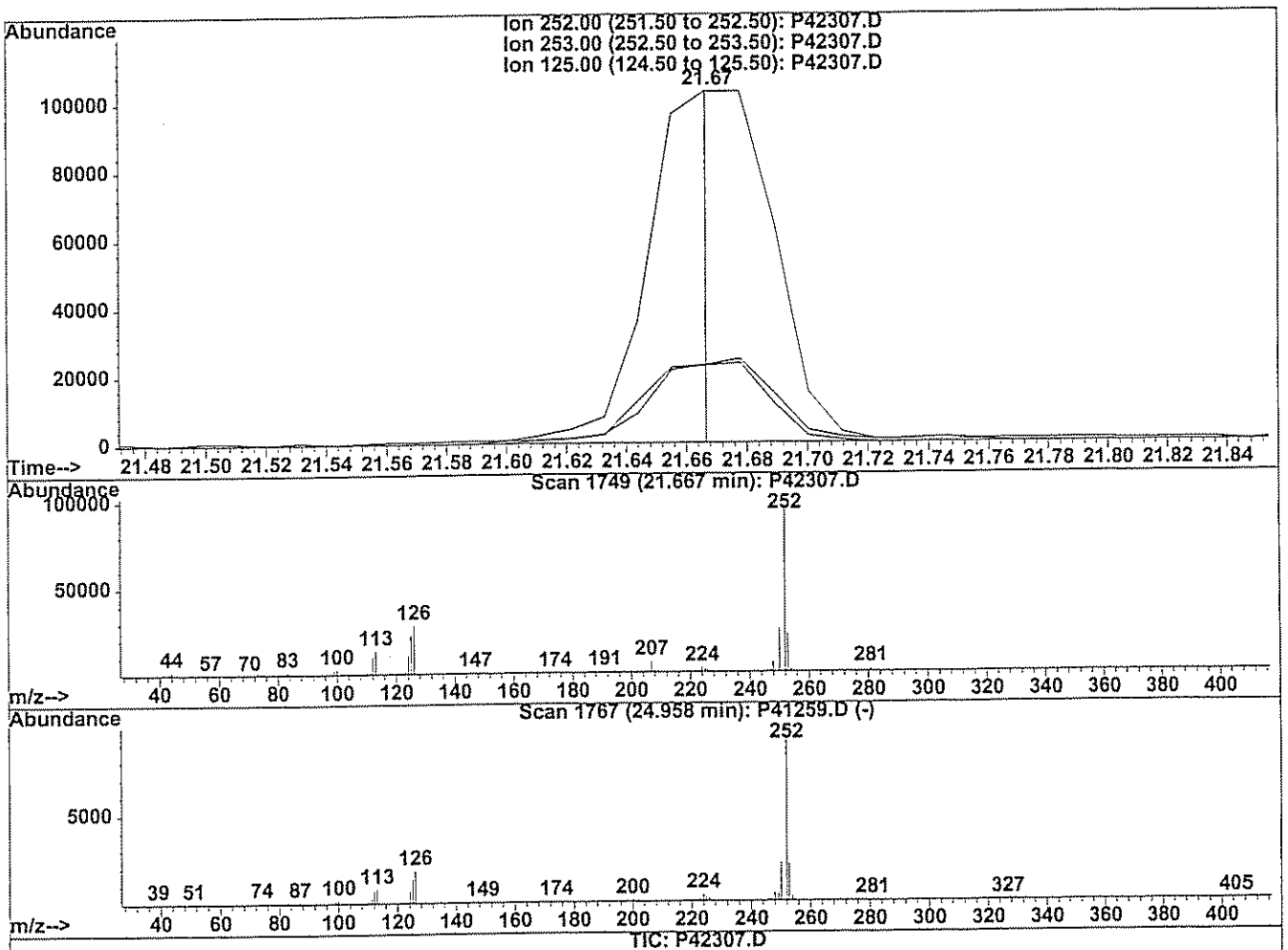
JR
5/12/09

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Single Level Calibration



(84) Benzo[b]fluoranthene (T)

21.67min 3.41ug/ml m

response 168813

Ion	Exp%	Act%
252.00	100	100
253.00	39.80	22.08
125.00	29.90	21.85
0.00	0.00	0.00

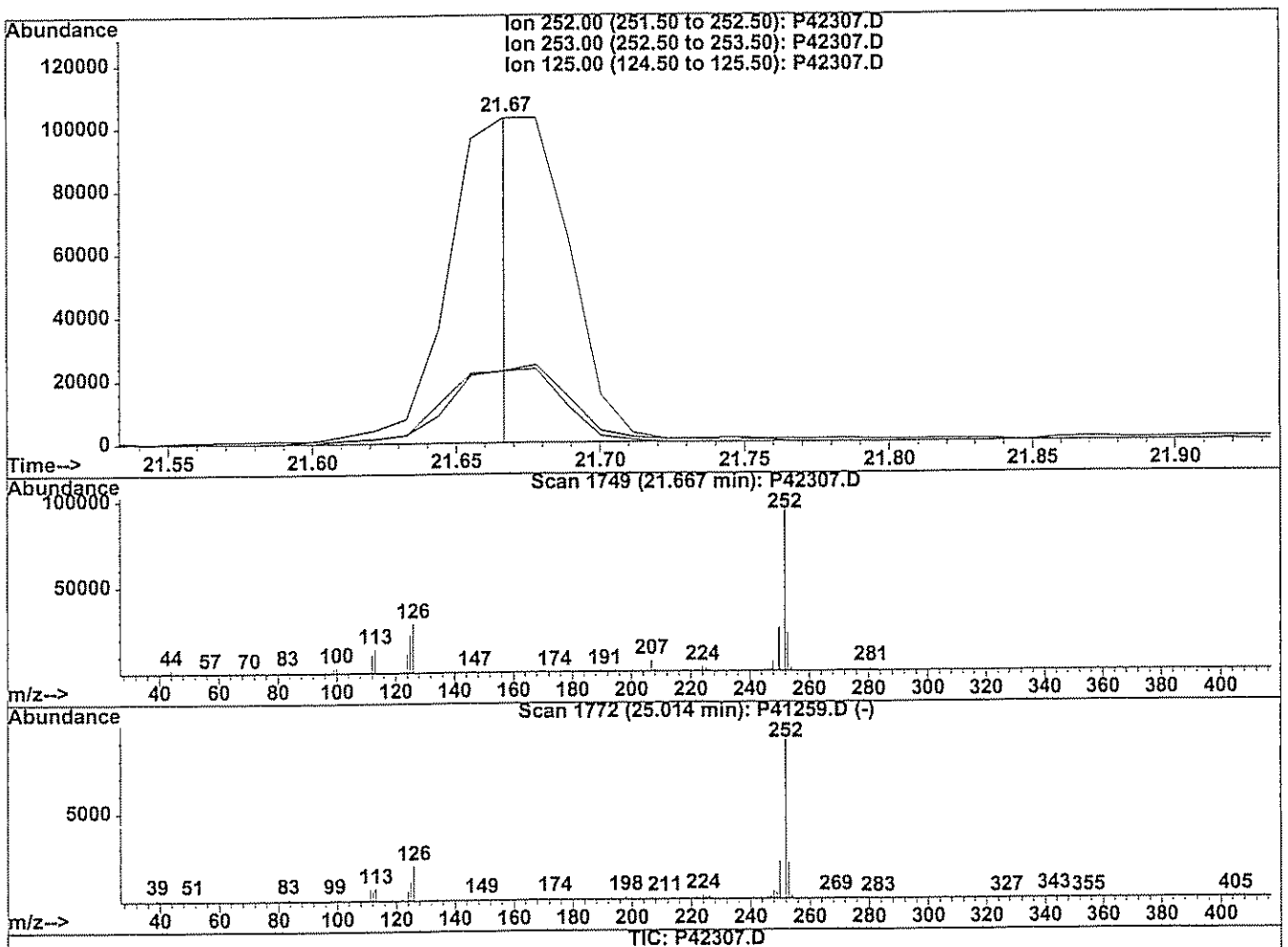
JI
5/12/09

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42307.D
Acq On : 11 May 2009 13:49
Sample : SSTD02.5
Misc : SSTD02.5 HP#P JI
Quant Time: May 12 8:50 2009

Vial: 2
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Single Level Calibration



(85) Benzo[k]fluoranthene (T)

21.67min 3.38ug/ml m

response 126258

Ion	Exp%	Act%
252.00	100	100
253.00	39.80	22.08
125.00	29.90	21.85
0.00	0.00	0.00

05/12/09

D. Raw QC Data

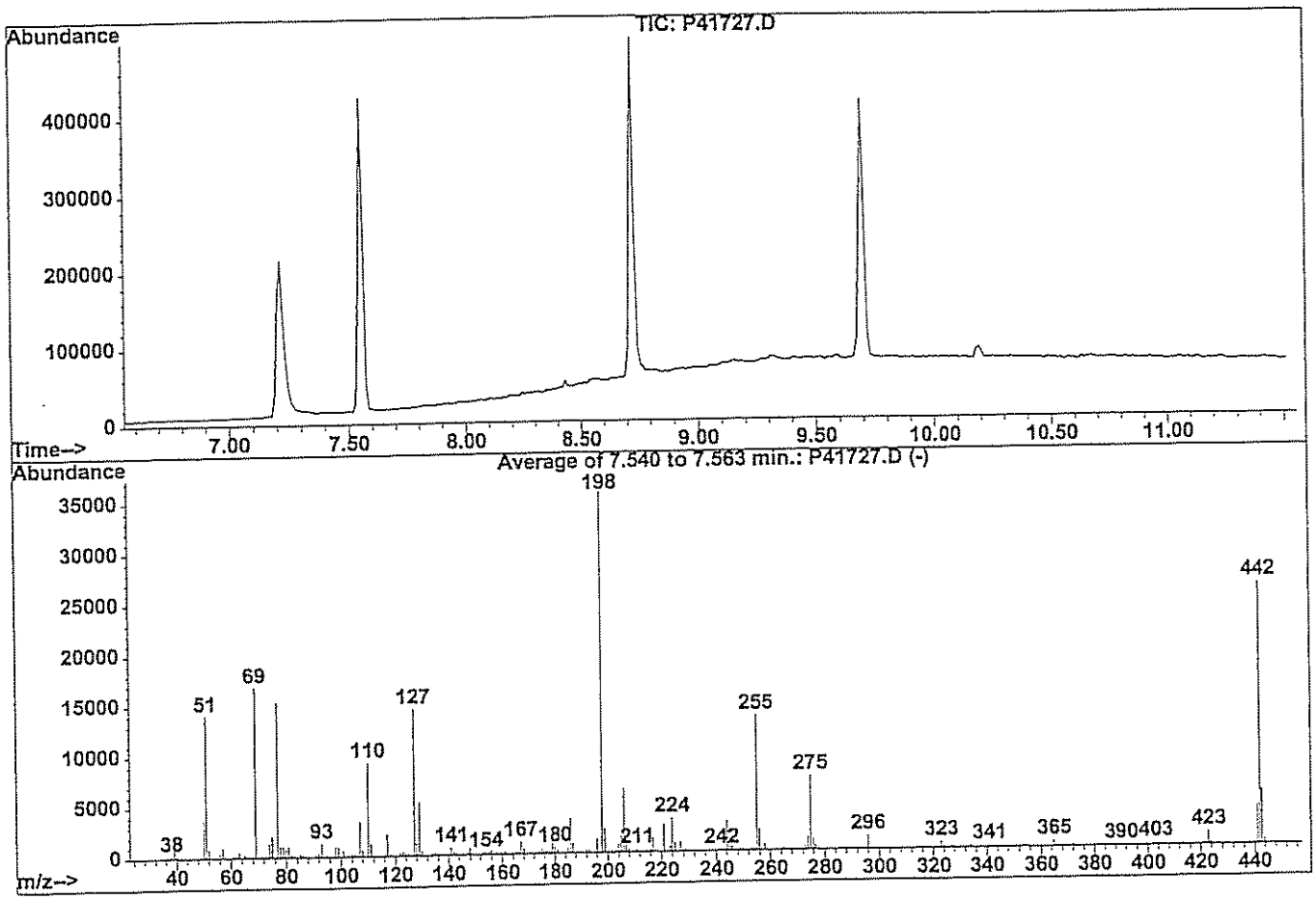
1. DFTPP
2. Blank Data
3. Matrix Spike Data
4. Matrix Spike Duplicate Data
5. Laboratory Control Standard Data (where applicable)
6. GPC Data (where applicable)
7. Extraction Logsheet
8. Injection Logsheet
9. Control Charts (where applicable)

GPL Laboratories

DFTPP

Data File : C:\GCMSDATA\P\040909\P41727.D
Acq On : 9 Apr 2009 9:11
Sample : DFTPP050
Misc : DFTPP050 HP#P JI
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270

Vial: 1
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00



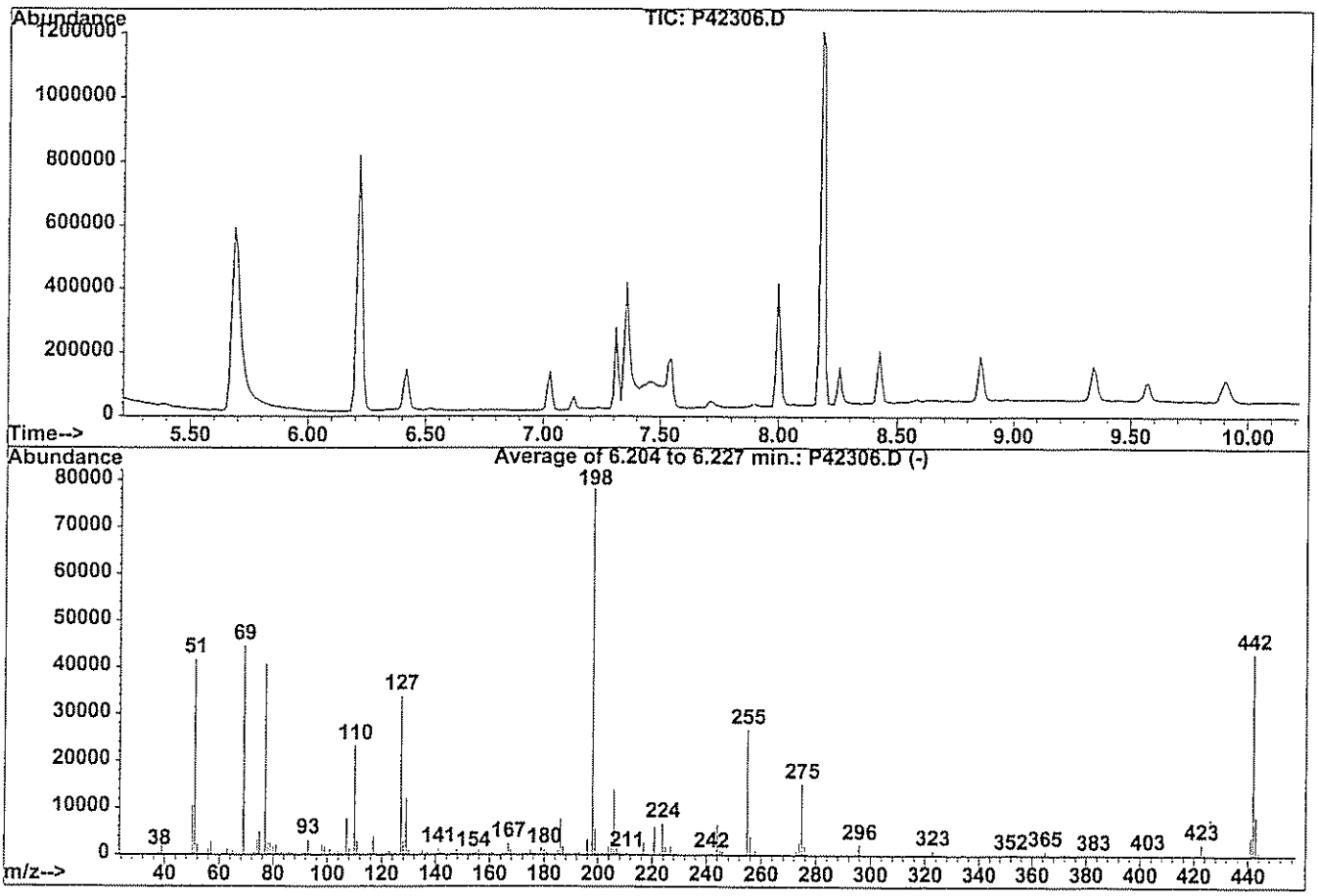
AutoFind: Scans 222, 223, 224; Background Corrected with Scan 218

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.4	14017	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	47.1	16788	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	40.6	14465	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	35611	PASS
199	198	5	9	6.7	2382	PASS
275	198	10	30	20.5	7296	PASS
365	198	1	100	1.6	573	PASS
441	443	0.01	100	71.1	3842	PASS
442	198	40	100	72.7	25905	PASS
443	442	17	23	20.8	5401	PASS

P41727.D L8270GT1.M Thu Apr 09 15:26:23 2009

DFTPP

Data File : H:\GCMSDATA\P\051109A\P42306.D Vial: 1
Acq On : 11 May 2009 13:29 Operator: JI
Sample : DFTPP050 Inst : GC/MS-P
Misc : DFTPP050 HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270



AutoFind: Scans 104, 105, 106; Background Corrected with Scan 99

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	53.3	41715	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	57.0	44607	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	43.3	33867	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	78221	PASS
199	198	5	9	7.1	5588	PASS
275	198	10	30	19.4	15152	PASS
365	198	1	100	1.2	905	PASS
441	443	0.01	100	49.3	4146	PASS
442	198	40	100	55.3	43221	PASS
443	442	17	23	19.5	8417	PASS

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109708

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109708
Sample Volume :	1000	Lab File ID :	P42308.D
% Moisture:		Date Received	
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	0.20	U
83-32-9	Acenaphthene	0.20	U
208-96-8	Acenaphthylene	0.20	U
120-12-7	Anthracene	0.20	U
56-55-3	Benzo[a]anthracene	0.20	U
50-32-8	Benzo[a]pyrene	0.20	U
205-99-2	Benzo[b]fluoranthene	0.20	U
191-24-2	Benzo[g,h,i]perylene	0.20	U
207-08-9	Benzo[k]fluoranthene	0.20	U
218-01-9	Chrysene	0.20	U
53-70-3	Dibenz[a,h]anthracene	0.20	U
206-44-0	Fluoranthene	0.20	U
86-73-7	Fluorene	0.20	U
193-39-5	Indeno[1,2,3-cd]pyrene	0.20	U
91-20-3	Naphthalene	0.20	U
85-01-8	Phenanthrene	0.20	U
129-00-0	Pyrene	0.20	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42308.D
Acq On : 11 May 2009 14:24
Sample : BLK109708
Misc : BLK109708 , CH2MHILL, WATER HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 7:54 2009

Vial: 3
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	388936	4.00 ug/ml	-0.02
21) Naphthalene-d8	10.56	136	1003206	4.00 ug/ml	0.00
37) Acenaphthene-d10	13.80	164	306905	4.00 ug/ml	0.00
59) Phenanthrene-d10	16.50	188	359787	4.00 ug/ml	0.00
74) Chrysene-d12	20.55	240	210410	4.00 ug/ml	0.00
82) Perylene-d12	22.05	264	110225	4.00 ug/ml	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.86	112	664459	3.35 ug/ml	0.00
Spiked Amount 4.000	Range 20 - 118		Recovery	= 83.75%	
8) Phenol-d5	7.78	99	686701	3.41 ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery	= 85.25%	
22) Nitrobenzene-d5	9.31	82	213387	1.82 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery	= 91.00%	
41) 2-Fluorobiphenyl	12.59	172	219909	1.69 ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	= 84.50%	
58) 2,4,6-Tribromophenol	15.28	330	43167	4.31 ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery	= 107.75%	
76) Terphenyl-d14	19.29	244	98704	2.18 ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	= 109.00%	

Target Compounds Qvalue

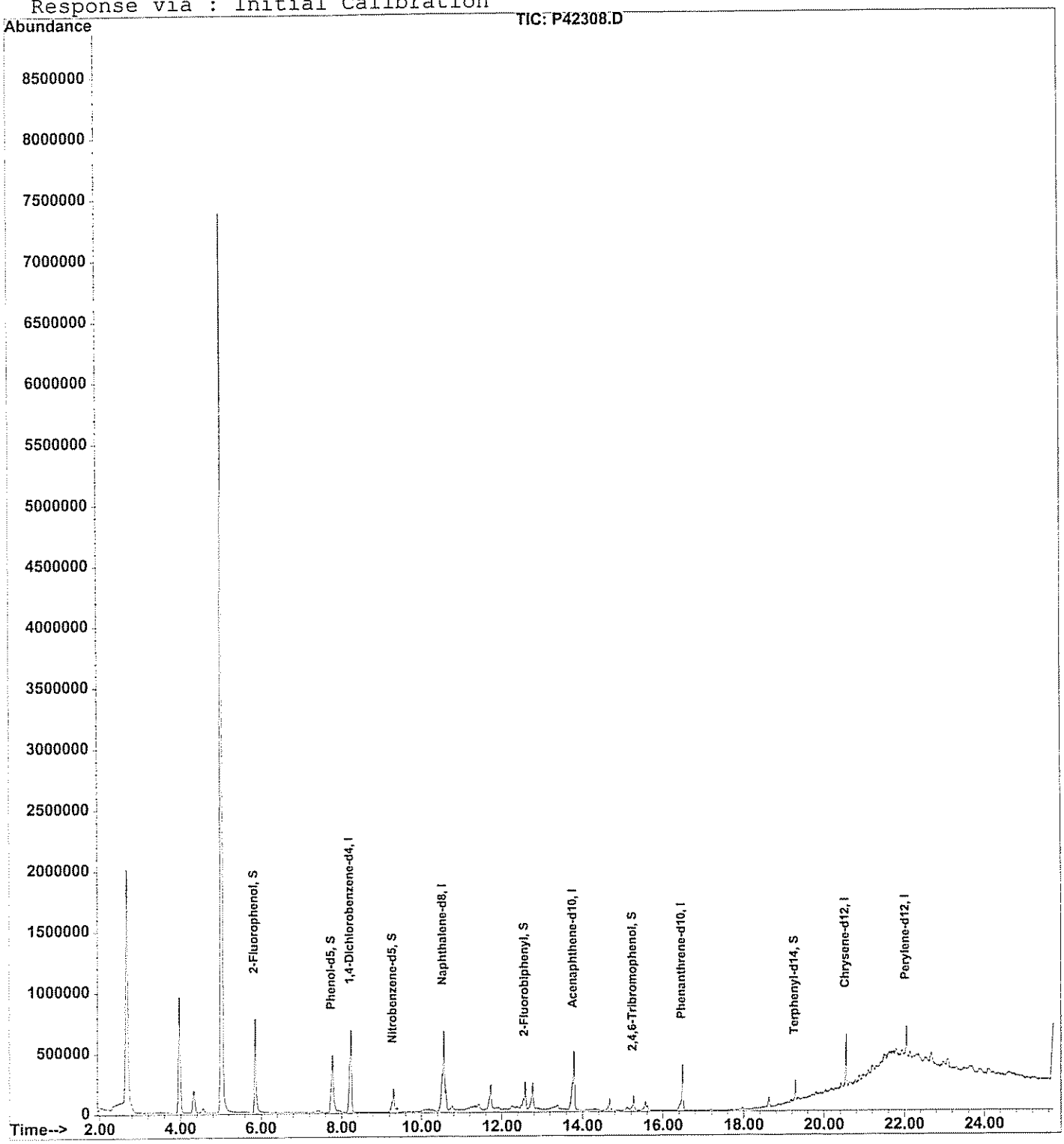
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42308.D
Acq On : 11 May 2009 14:24
Sample : BLK109708
Misc : BLK109708 , CH2MHILL, WATER HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 7:54 2009

Vial: 3
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue May 12 08:46:02 2009
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-025-1/6MS
Sample Volume :	900	Lab File ID :	P42311.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	10	
83-32-9	Acenaphthene	10	
208-96-8	Acenaphthylene	9.3	
120-12-7	Anthracene	9.6	
56-55-3	Benzo[a]anthracene	12	
50-32-8	Benzo[a]pyrene	17	
205-99-2	Benzo[b]fluoranthene	17	
191-24-2	Benzo[g,h,i]perylene	19	
207-08-9	Benzo[k]fluoranthene	11	
218-01-9	Chrysene	11	
53-70-3	Dibenz[a,h]anthracene	17	
206-44-0	Fluoranthene	8.9	
86-73-7	Fluorene	11	
193-39-5	Indeno[1,2,3-cd]pyrene	19	
91-20-3	Naphthalene	9.1	
85-01-8	Phenanthrene	11	
129-00-0	Pyrene	14	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42311.D
Vial: 6
Acq On : 11 May 2009 16:02
Operator: JI
Sample : 905068-003-025-1/6MS
Inst : GC/MS-P
Misc : OU1-16GW49-0509MS , CH2MHILL, WATER HP# Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	513059	4.00	ug/ml	-0.01
21) Naphthalene-d8	10.57	136	1403665	4.00	ug/ml	0.00
37) Acenaphthene-d10	13.79	164	470914	4.00	ug/ml	0.00
59) Phenanthrene-d10	16.50	188	501878	4.00	ug/ml	0.00
74) Chrysene-d12	20.56	240	215076	4.00	ug/ml	0.01
82) Perylene-d12	22.05	264	100062	4.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/ml	
Spiked Amount 4.000	Range 20 - 118		Recovery	=	0.00%#	
8) Phenol-d5	7.77	99	1195	0.00	ug/ml	-0.01
Spiked Amount 4.000	Range 29 - 133		Recovery	=	0.00%#	
22) Nitrobenzene-d5	9.31	82	328476	2.01	ug/ml	-0.01
Spiked Amount 2.000	Range 20 - 137		Recovery	=	100.50%	
41) 2-Fluorobiphenyl	12.59	172	331598	1.66	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	=	83.00%	
58) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/ml	
Spiked Amount 4.000	Range 24 - 177		Recovery	=	0.00%#	
76) Terphenyl-d14	19.30	244	108985	2.35	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	117.50%	

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.20	74	675228	3.39	ug/ml#	43
3) Pyridine	2.55	79	20907	0.06	ug/ml	82
5) Benzaldehyde	7.43	77	48059	0.41	ug/ml	92
6) Aniline	7.79	66	3895	0.03	ug/ml#	100
7) bis(2-Chloroethyl)ether	7.85	63	1761590	11.35	ug/ml	90
9) Phenol	7.85	94	90985	0.35	ug/ml#	1
11) 1,3-Dichlorobenzene	8.17	146	1392289	6.49	ug/ml	97
12) 1,4-Dichlorobenzene	8.27	146	1324563	6.36	ug/ml	99
13) 1,2-Dichlorobenzene	8.61	146	1281736	6.93	ug/ml	99
14) Benzyl alcohol	8.62	108	49267	0.54	ug/ml	91
15) 2,2-oxybis(1-chloropropane	8.85	45	4515967	13.84	ug/ml#	59
16) 2-Methylphenol	8.87	108	69916	0.46	ug/ml	80
17) Acetophenone	9.04	105	1999523	13.16	ug/ml	96
18) Hexachloroethane	9.16	117	439292	5.92	ug/ml	95
19) N-Nitroso-di-n-propylamine	9.10	70	1338529	14.41	ug/ml	94
20) 4-Methylphenol	9.14	108	44921	0.30	ug/ml#	77
23) Nitrobenzene	9.34	77	1597854	9.76	ug/ml	95
24) Isophorone	9.77	82	2690231	11.08	ug/ml	95
26) 2,4-Dimethylphenol	10.06	107	135337	1.04	ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42311.D Vial: 6
Acq On : 11 May 2009 16:02 Operator: JI
Sample : 905068-003-025-1/6MS Inst : GC/MS-P
Misc : OU1-16GW49-0509MS , CH2MHILL, WATER HP# Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
28) bis(2-Chloroethoxy)methane	10.21	93	1368773	8.24	ug/ml	94
30) 1,2,4-Trichlorobenzene	10.50	180	807984	6.96	ug/ml	91
31) Naphthalene	10.60	128	3019405	8.21	ug/ml	97
32) 4-Chloroaniline	10.98	127	10798	0.08	ug/ml	72
33) Hexachlorobutadiene	10.95	225	319705	5.27	ug/ml	93
34) Caprolactam	11.30	113	39311	1.76	ug/ml#	89
35) 4-Chloro-3-methylphenol	11.73	107	8746	0.12	ug/ml	86
36) 2-Methylnaphthalene	11.87	142	1692470	9.50	ug/ml	100
38) Hexachlorocyclopentadiene	12.29	237	348821	6.32	ug/ml	96
42) 1,1-Biphenyl	12.75	154	1655534	7.55	ug/ml	92
43) 2-Chloronaphthalene	12.75	162	1343502	7.94	ug/ml	92
44) 2-Nitroaniline	13.03	65	423474	8.43	ug/ml	92
45) Acenaphthylene	13.51	152	1937594	8.36	ug/ml	96
46) Dimethylphthalate	13.43	163	465213	3.37	ug/ml	93
47) 2,6-Dinitrotoluene	13.56	165	328048	9.92	ug/ml	87
48) Acenaphthene	13.86	153	1233455	9.11	ug/ml	99
49) 3-Nitroaniline	13.79	138	62649	1.87	ug/ml#	85
51) Dibenzofuran	14.16	168	1669606	9.30	ug/ml	72
52) 2,4-Dinitrotoluene	14.27	165	391970	11.29	ug/ml	91
53) 4-Nitrophenol	14.14	109	3823	1.61	ug/ml#	1
54) Fluorene	14.79	166	1174136	9.68	ug/ml	96
55) 4-Chlorophenyl-phenylether	14.82	204	549537	9.96	ug/ml	93
56) Diethylphthalate	14.75	149	827552	7.34	ug/ml	96
57) 4-Nitroaniline	14.92	138	92458	3.45	ug/ml	89
62) n-Nitrosodiphenylamine	15.06	169	183697	2.34	ug/ml	91
63) 1,2-Diphenylhydrazine	15.10	77	1328485	8.27	ug/ml	95
64) 4-Bromophenyl-phenylether	15.71	248	304120	12.40	ug/ml	97
65) Hexachlorobenzene	15.96	284	330531	10.61	ug/ml	91
66) Atrazine	16.16	200	21368	0.98	ug/ml	91
69) Phenanthrene	16.53	178	1309506	9.76	ug/ml	97
70) Anthracene	16.63	178	1147815	8.60	ug/ml	97
71) Carbazole	16.96	167	532352	4.68	ug/ml	100
72) Di-n-butylphthalate	17.80	149	1319604	8.97	ug/ml	94
73) Fluoranthene	18.69	202	916930	8.01	ug/ml	95
75) Pyrene	19.02	202	891179	12.23	ug/ml	93
77) Butylbenzylphthalate	19.97	149	410930	11.38	ug/ml	83
78) 3,3-Dichlorobenzidine	20.49	252	1320	0.07	ug/ml	75
79) Benzo[a]anthracene	20.54	228	673380	10.79	ug/ml	97
80) Chrysene	20.58	228	571662	9.91	ug/ml	97
81) bis(2-Ethylhexyl)phthalate	20.66	149	569367	10.98	ug/ml	91
83) Di-n-octylphthalate	21.27	149	949388	16.41	ug/ml	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42311.D
Vial: 6
Acq On : 11 May 2009 16:02
Operator: JI
Sample : 905068-003-025-1/6MS
Inst : GC/MS-P
Misc : OU1-16GW49-0509MS , CH2MHILL, WATER HP# Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

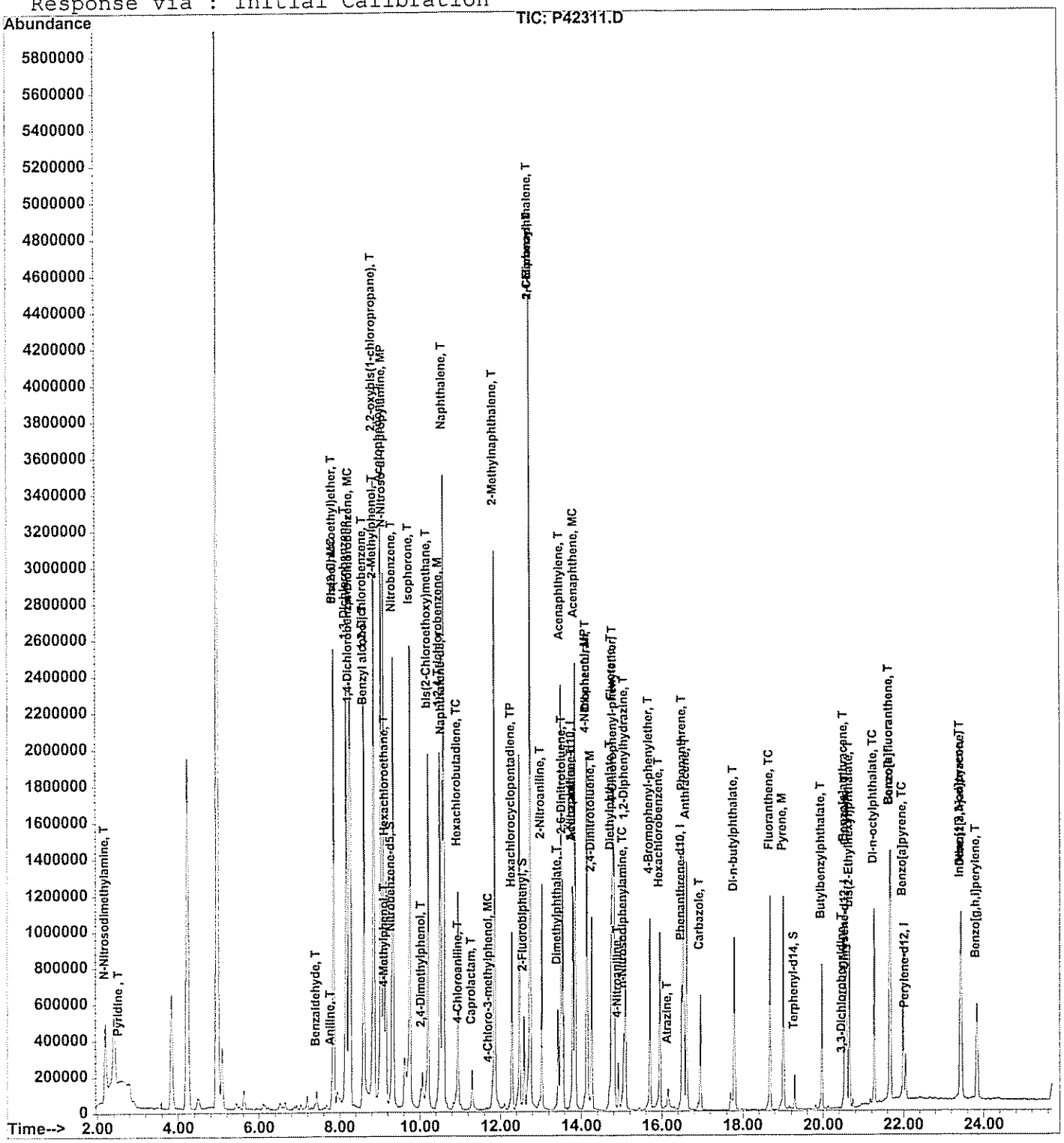
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
84) Benzo[b]fluoranthene	21.67	252	686956m	15.41 ug/ml	
85) Benzo[k]fluoranthene	21.68	252	330126m	9.88 ug/ml	
86) Benzo[a]pyrene	21.99	252	558022	15.04 ug/ml#	69
87) Indeno[1,2,3-cd]pyrene	23.43	276	661693	17.06 ug/ml	99
88) Dibenz[a,h]anthracene	23.44	278	563720	15.12 ug/ml	82
89) Benzo[g,h,i]perylene	23.83	276	573817	16.80 ug/ml	85

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42311.D Vial: 6
Acq On : 11 May 2009 16:02 Operator: JI
Sample : 905068-003-025-1/6MS Inst : GC/MS-P
Misc : OU1-16GW49-0509MS , CH2MHILL, WATER HP# Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009 Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue May 12 08:46:02 2009
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-025-1/6MSD
Sample Volume :	900	Lab File ID :	P42312.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	10	
83-32-9	Acenaphthene	9.8	
208-96-8	Acenaphthylene	9.2	
120-12-7	Anthracene	9.3	
56-55-3	Benzo[a]anthracene	13	
50-32-8	Benzo[a]pyrene	14	
205-99-2	Benzo[b]fluoranthene	16	
191-24-2	Benzo[g,h,i]perylene	12	
207-08-9	Benzo[k]fluoranthene	13	
218-01-9	Chrysene	10	
53-70-3	Dibenz[a,h]anthracene	10	
206-44-0	Fluoranthene	10	
86-73-7	Fluorene	10	
193-39-5	Indeno[1,2,3-cd]pyrene	12	
91-20-3	Naphthalene	8.4	
85-01-8	Phenanthrene	12	
129-00-0	Pyrene	14	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42312.D
Vial: 7
Acq On : 11 May 2009 16:33
Operator: JI
Sample : 905068-003-025-1/6MSD
Inst : GC/MS-P
Misc : OU1-16GW49-0509MSD , CH2MHILL, WATER
HP Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	515598	4.00	ug/ml	0.02
21) Naphthalene-d8	10.58	136	1468754	4.00	ug/ml	0.00
37) Acenaphthene-d10	13.80	164	500659	4.00	ug/ml	0.00
59) Phenanthrene-d10	16.50	188	542765	4.00	ug/ml	0.00
74) Chrysene-d12	20.56	240	265279	4.00	ug/ml	0.00
82) Perylene-d12	22.06	264	156225	4.00	ug/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0	0.00	ug/ml	
Spiked Amount 4.000	Range 20 - 118		Recovery	=	0.00%#	
8) Phenol-d5	7.81	99	1121	0.00	ug/ml	0.03
Spiked Amount 4.000	Range 29 - 133		Recovery	=	0.00%#	
22) Nitrobenzene-d5	9.32	82	304667	1.78	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery	=	89.00%	
41) 2-Fluorobiphenyl	12.59	172	328404	1.54	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery	=	77.00%	
58) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/ml	
Spiked Amount 4.000	Range 24 - 177		Recovery	=	0.00%#	
76) Terphenyl-d14	19.29	244	144222	2.53	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery	=	126.50%	

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.40	74	611691m	3.06	ug/ml	
3) Pyridine	2.37	79	1837401	5.17	ug/ml	79
5) Benzaldehyde	7.49	77	9467	0.08	ug/ml	82
6) Aniline	7.77	66	736567	6.43	ug/ml#	100
7) bis(2-Chloroethyl)ether	7.89	63	1594735	10.22	ug/ml	91
9) Phenol	7.77	94	134023	0.51	ug/ml#	1
11) 1,3-Dichlorobenzene	8.20	146	1308975	6.07	ug/ml	97
12) 1,4-Dichlorobenzene	8.30	146	1262593	6.04	ug/ml	100
13) 1,2-Dichlorobenzene	8.64	146	1213774	6.53	ug/ml	98
14) Benzyl alcohol	8.75	108	31094	0.34	ug/ml	83
15) 2,2-oxybis(1-chloropropane	8.87	45	4205984	12.83	ug/ml#	58
16) 2-Methylphenol	8.87	108	90955	0.60	ug/ml	92
17) Acetophenone	9.05	105	1864271	12.36	ug/ml	95
18) Hexachloroethane	9.18	117	431851	5.79	ug/ml	94
19) N-Nitroso-di-n-propylamine	9.12	70	1266339	13.81	ug/ml	93
20) 4-Methylphenol	9.15	108	51372	0.35	ug/ml	90
23) Nitrobenzene	9.36	77	1478587	8.64	ug/ml	96
24) Isophorone	9.77	82	2596590	10.22	ug/ml	94
26) 2,4-Dimethylphenol	10.07	107	154040	1.14	ug/ml	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42312.D Vial: 7
Acq On : 11 May 2009 16:33 Operator: JI
Sample : 905068-003-025-1/6MSD Inst : GC/MS-P
Misc : OU1-16GW49-0509MSD , CH2MHILL, WATER HP Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
28) bis(2-Chloroethoxy)methane	10.21	93	1520966	8.75 ug/ml	94
30) 1,2,4-Trichlorobenzene	10.51	180	796538	6.56 ug/ml	88
31) Naphthalene	10.61	128	2903721	7.55 ug/ml	78
33) Hexachlorobutadiene	10.96	225	326961	5.15 ug/ml	95
34) Caprolactam	11.30	113	54875	2.35 ug/ml#	90
35) 4-Chloro-3-methylphenol	11.73	107	11185	0.15 ug/ml	88
36) 2-Methylnaphthalene	11.87	142	1680130	9.01 ug/ml	100
38) Hexachlorocyclopentadiene	12.29	237	341721	5.83 ug/ml	94
42) 1,1-Biphenyl	12.74	154	1676928	7.19 ug/ml	91
43) 2-Chloronaphthalene	12.74	162	1326555	7.38 ug/ml	93
44) 2-Nitroaniline	13.02	65	530659	9.94 ug/ml	86
45) Acenaphthylene	13.51	152	2047519	8.31 ug/ml	97
46) Dimethylphthalate	13.44	163	678118	4.62 ug/ml	95
47) 2,6-Dinitrotoluene	13.55	165	357186	10.15 ug/ml	88
48) Acenaphthene	13.86	153	1276426	8.87 ug/ml	98
49) 3-Nitroaniline	13.79	138	276317	7.72 ug/ml#	75
51) Dibenzofuran	14.15	168	1707310	8.95 ug/ml	74
52) 2,4-Dinitrotoluene	14.26	165	446818	12.10 ug/ml	89
53) 4-Nitrophenol	14.15	109	3285	1.56 ug/ml#	1
54) Fluorene	14.78	166	1201108	9.32 ug/ml	95
55) 4-Chlorophenyl-phenylether	14.82	204	587593	10.01 ug/ml	92
56) Diethylphthalate	14.75	149	1047494	8.74 ug/ml	93
57) 4-Nitroaniline	14.93	138	258522	9.08 ug/ml	87
62) n-Nitrosodiphenylamine	15.06	169	485443	5.73 ug/ml	90
63) 1,2-Diphenylhydrazine	15.10	77	1524182	8.77 ug/ml	96
64) 4-Bromophenyl-phenylether	15.71	248	330586	12.46 ug/ml	97
65) Hexachlorobenzene	15.95	284	373818	11.09 ug/ml	90
66) Atrazine	16.16	200	249780	10.59 ug/ml	97
69) Phenanthrene	16.54	178	1510576	10.41 ug/ml	96
70) Anthracene	16.62	178	1211874	8.39 ug/ml	98
71) Carbazole	16.97	167	1216530	9.89 ug/ml	100
72) Di-n-butylphthalate	17.79	149	1729267	10.87 ug/ml	94
73) Fluoranthene	18.68	202	1139488	9.20 ug/ml	98
75) Pyrene	19.01	202	1158903	12.90 ug/ml	95
77) Butylbenzylphthalate	19.98	149	606344	13.61 ug/ml	93
78) 3,3-Dichlorobenzidine	20.56	252	283533	11.74 ug/ml	85
79) Benzo[a]anthracene	20.53	228	933121	12.12 ug/ml	97
80) Chrysene	20.59	228	652214	9.17 ug/ml	97
81) bis(2-Ethylhexyl)phthalate	20.66	149	857174	13.40 ug/ml	91
83) Di-n-octylphthalate	21.28	149	1386103	15.34 ug/ml	88
84) Benzo[b]fluoranthene	21.66	252	1026474m	14.75 ug/ml	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42312.D Vial: 7
Acq On : 11 May 2009 16:33 Operator: JI
Sample : 905068-003-025-1/6MSD Inst : GC/MS-P
Misc : OU1-16GW49-0509MSD , CH2MHILL, WATER HP Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

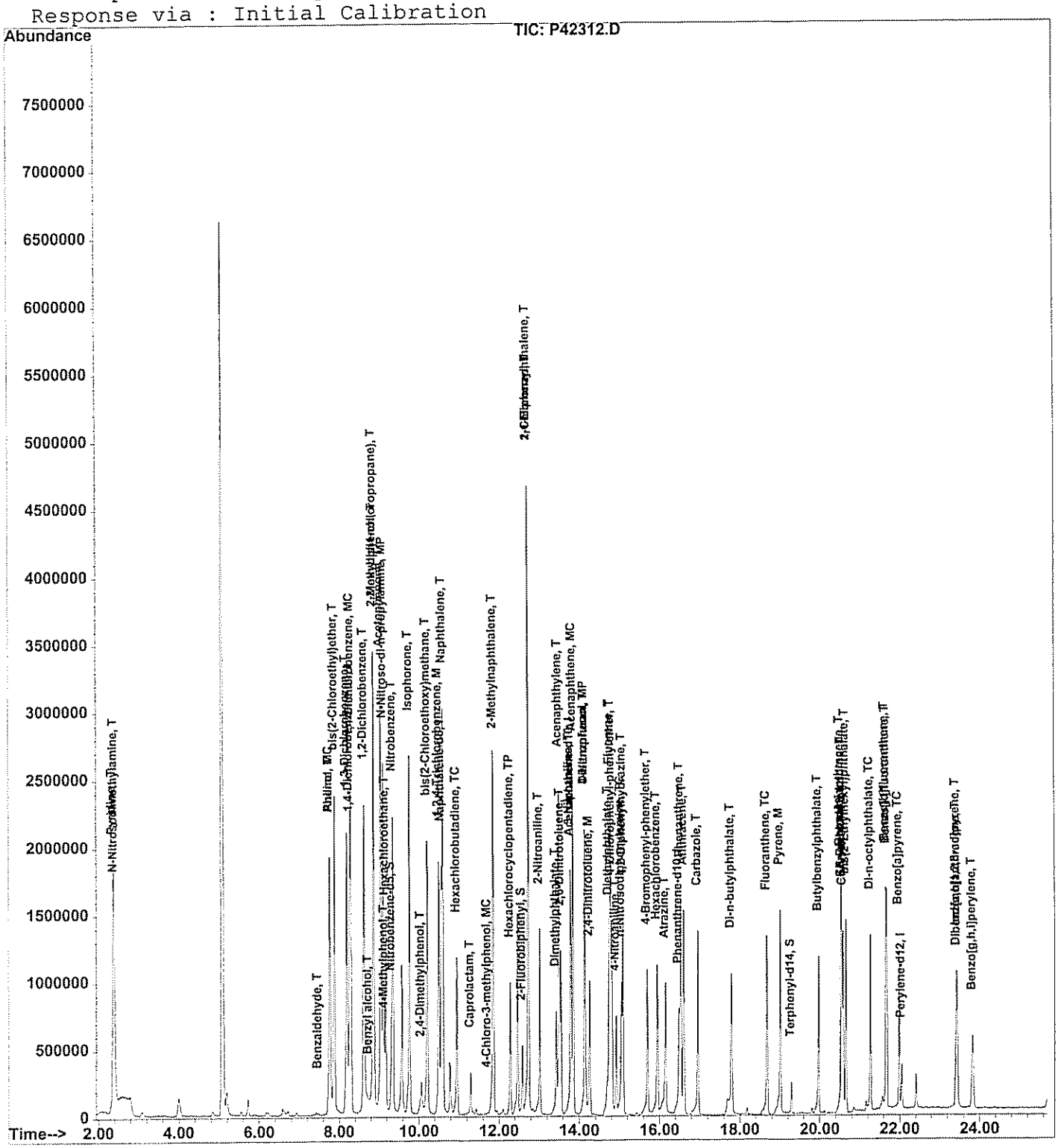
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
85) Benzo[k]fluoranthene	21.68	252	609738m	11.54 ug/ml	
86) Benzo[a]pyrene	21.99	252	710699	12.27 ug/ml#	70
87) Indeno[1,2,3-cd]pyrene	23.43	276	651485	10.76 ug/ml	93
88) Dibenz[a,h]anthracene	23.44	278	528626	9.13 ug/ml	81
89) Benzo[g,h,i]perylene	23.84	276	552544	10.36 ug/ml	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42312.D Vial: 7
Acq On : 11 May 2009 16:33 Operator: JI
Sample : 905068-003-025-1/6MSD Inst : GC/MS-P
Misc : OU1-16GW49-0509MSD , CH2MHILL, WATER HP Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:57 2009 Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue May 12 08:46:02 2009
Response via : Initial Calibration



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109708

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109708
Sample Volume :	1000	Lab File ID :	P42309.D
% Moisture:		Date Received	
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
91-57-6	2-Methylnaphthalene	9.0	
83-32-9	Acenaphthene	8.2	
208-96-8	Acenaphthylene	7.7	
120-12-7	Anthracene	6.8	
56-55-3	Benzo[a]anthracene	10	
50-32-8	Benzo[a]pyrene	11	
205-99-2	Benzo[b]fluoranthene	13	
191-24-2	Benzo[g,h,i]perylene	11	
207-08-9	Benzo[k]fluoranthene	9.1	
218-01-9	Chrysene	8.4	
53-70-3	Dibenz[a,h]anthracene	9.6	
206-44-0	Fluoranthene	8.0	
86-73-7	Fluorene	8.1	
193-39-5	Indeno[1,2,3-cd]pyrene	12	
91-20-3	Naphthalene	8.1	
85-01-8	Phenanthrene	9.6	
129-00-0	Pyrene	10	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42309.D
Acq On : 11 May 2009 14:58
Sample : BKS109708
Misc : BKS109708 , CH2MHILL, WATER HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 7:55 2009

Vial: 4
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	435417	4.00	ug/ml	0.00
21) Naphthalene-d8	10.56	136	1152789	4.00	ug/ml	0.00
37) Acenaphthene-d10	13.80	164	374062	4.00	ug/ml	0.00
59) Phenanthrene-d10	16.50	188	378034	4.00	ug/ml	0.00
74) Chrysene-d12	20.56	240	208591	4.00	ug/ml	0.00
82) Perylene-d12	22.06	264	140142	4.00	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.90	112	717797	3.23	ug/ml	0.03
Spiked Amount 4.000	Range 20 - 118		Recovery = 80.75%			
8) Phenol-d5	7.79	99	761641	3.37	ug/ml	0.00
Spiked Amount 4.000	Range 29 - 133		Recovery = 84.25%			
22) Nitrobenzene-d5	9.31	82	227699	1.69	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 137		Recovery = 84.50%			
41) 2-Fluorobiphenyl	12.59	172	238504	1.50	ug/ml	0.00
Spiked Amount 2.000	Range 23 - 110		Recovery = 75.00%			
58) 2,4,6-Tribromophenol	15.28	330	48348	3.96	ug/ml	0.00
Spiked Amount 4.000	Range 24 - 177		Recovery = 99.00%			
76) Terphenyl-d14	19.29	244	101669	2.26	ug/ml	0.00
Spiked Amount 2.000	Range 20 - 138		Recovery = 113.00%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.55	74	1222327m	7.24	ug/ml	
3) Pyridine	2.55	79	1639809m	5.46	ug/ml	
5) Benzaldehyde	7.45	77	7778	0.08	ug/ml#	78
6) Aniline	7.80	66	528547	5.47	ug/ml#	100
7) bis(2-Chloroethyl)ether	7.87	63	1492500	11.33	ug/ml	86
9) Phenol	7.80	94	1912046	8.61	ug/ml	94
10) 2-Chlorophenol	7.95	128	1233031	8.02	ug/ml	95
11) 1,3-Dichlorobenzene	8.18	146	1540283	8.46	ug/ml	95
12) 1,4-Dichlorobenzene	8.29	146	1286447	7.28	ug/ml	99
13) 1,2-Dichlorobenzene	8.62	146	1260822	8.04	ug/ml	98
14) Benzyl alcohol	8.74	108	168560m	2.19	ug/ml	
15) 2,2-oxybis(1-chloropropane	8.86	45	3252216	11.75	ug/ml	80
16) 2-Methylphenol	8.86	108	1425560	11.13	ug/ml	99
17) Acetophenone	9.05	105	1423879	11.35	ug/ml	97
18) Hexachloroethane	9.18	117	508860	8.08	ug/ml	93
19) N-Nitroso-di-n-propylamine	9.11	70	927659	12.47	ug/ml	91
20) 4-Methylphenol	9.13	108	2070883	16.49	ug/ml	91
23) Nitrobenzene	9.35	77	1141756	8.50	ug/ml	92
24) Isophorone	9.77	82	1963477	9.84	ug/ml	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42309.D
Acq On : 11 May 2009 14:58
Sample : BKS109708
Misc : BKS109708 , CH2MHILL, WATER HP#P JI
MS Integration Params: rteint.p
Quant Time: May 12 7:55 2009

Vial: 4
Operator: JI
Inst : GC/MS-P
Multiplr: 1.00
Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
25) 2-Nitrophenol	9.93	139	561249	9.91 ug/ml	94
26) 2,4-Dimethylphenol	10.07	107	843384	7.93 ug/ml	99
27) Benzoic Acid	10.28	105	363600	6.10 ug/ml	96
28) bis(2-Chloroethoxy)methane	10.21	93	1181298	8.66 ug/ml	93
29) 2,4-Dichlorophenol	10.38	162	668627	8.72 ug/ml	92
30) 1,2,4-Trichlorobenzene	10.51	180	729371	7.65 ug/ml	88
31) Naphthalene	10.61	128	2447614	8.10 ug/ml	78
32) 4-Chloroaniline	10.90	127	33261	0.31 ug/ml	98
33) Hexachlorobutadiene	10.96	225	357540	7.17 ug/ml	92
34) Caprolactam	11.35	113	185291	10.10 ug/ml#	88
35) 4-Chloro-3-methylphenol	11.73	107	534224	9.08 ug/ml	97
36) 2-Methylnaphthalene	11.86	142	1324695	9.05 ug/ml	99
38) Hexachlorocyclopentadiene	12.29	237	341346	7.79 ug/ml	93
39) 2,4,6-Trichlorophenol	12.46	196	380022	9.19 ug/ml	97
40) 2,4,5-Trichlorophenol	12.54	196	296165	6.69 ug/ml	96
42) 1,1-Biphenyl	12.74	154	1244968	7.15 ug/ml	93
43) 2-Chloronaphthalene	12.74	162	997160	7.42 ug/ml	92
44) 2-Nitroaniline	13.02	65	342859	8.59 ug/ml#	82
45) Acenaphthylene	13.51	152	1410706	7.67 ug/ml	98
46) Dimethylphthalate	13.44	163	979062	8.92 ug/ml	95
47) 2,6-Dinitrotoluene	13.55	165	226972	8.70 ug/ml	87
48) Acenaphthene	13.86	153	879297	8.17 ug/ml	98
49) 3-Nitroaniline	13.80	138	172375	6.45 ug/ml	84
50) 2,4-Dinitrophenol	13.98	184	132703	14.75 ug/ml	90
51) Dibenzofuran	14.15	168	1142474	8.02 ug/ml	75
52) 2,4-Dinitrotoluene	14.26	165	266345	9.66 ug/ml	89
53) 4-Nitrophenol	14.20	109	68540	7.36 ug/ml#	39
54) Fluorene	14.78	166	783758	8.14 ug/ml	95
55) 4-Chlorophenyl-phenylether	14.82	204	384955	8.78 ug/ml	92
56) Diethylphthalate	14.75	149	812317	9.07 ug/ml	94
57) 4-Nitroaniline	14.93	138	169533	7.97 ug/ml	87
61) 4,6-Dinitro-2-methylphenol	15.01	198	155685	12.22 ug/ml	100
62) n-Nitrosodiphenylamine	15.06	169	288412	4.88 ug/ml	93
63) 1,2-Diphenylhydrazine	15.10	77	975387	8.06 ug/ml	93
64) 4-Bromophenyl-phenylether	15.71	248	203289	11.00 ug/ml	96
65) Hexachlorobenzene	15.95	284	222418	9.47 ug/ml	89
66) Atrazine	16.16	200	146215	8.90 ug/ml	94
67) Pentachlorophenol	16.30	266	121584	8.95 ug/ml	95
68) Pentachloronitrobenzene	16.30	237	2305	0.53 ug/ml#	24
69) Phenanthrene	16.54	178	965008	9.55 ug/ml	97
70) Anthracene	16.62	178	687566	6.84 ug/ml	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\P\051109A\P42309.D Vial: 4
Acq On : 11 May 2009 14:58 Operator: JI
Sample : BKS109708 Inst : GC/MS-P
Misc : BKS109708 , CH2MHILL, WATER HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:55 2009 Quant Results File: L8270GT1.RES

Quant Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Fri May 08 09:42:03 2009
Response via : Initial Calibration
DataAcq Meth : L8270GT1

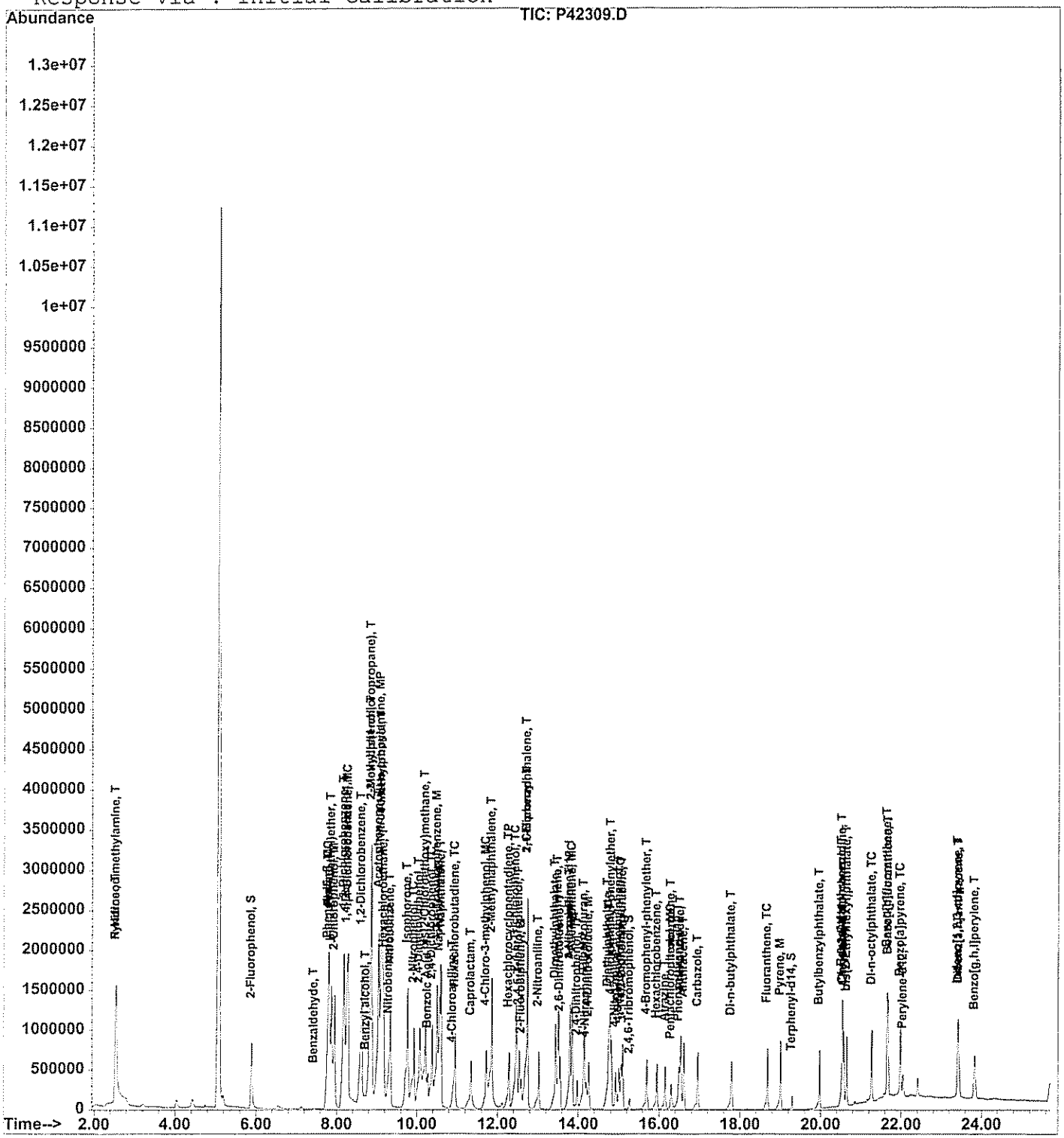
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Carbazole	16.97	167	697271	8.14 ug/ml	100
72) Di-n-butylphthalate	17.79	149	993439	8.97 ug/ml	92
73) Fluoranthene	18.68	202	688157	7.98 ug/ml	98
75) Pyrene	19.01	202	709968	10.05 ug/ml	96
77) Butylbenzylphthalate	19.98	149	381920	10.90 ug/ml	93
78) 3,3-Dichlorobenzidine	20.54	252	170794	8.99 ug/ml	78
79) Benzo[a]anthracene	20.53	228	606344	10.02 ug/ml	97
80) Chrysene	20.58	228	467633	8.36 ug/ml	96
81) bis(2-Ethylhexyl)phthalate	20.66	149	532021	10.58 ug/ml	95
83) Di-n-octylphthalate	21.28	149	941044	11.61 ug/ml	89
84) Benzo[b]fluoranthene	21.66	252	815061m	13.05 ug/ml	
85) Benzo[k]fluoranthene	21.68	252	424921m	9.13 ug/ml	
86) Benzo[a]pyrene	21.99	252	565271	10.88 ug/ml#	71
87) Indeno[1,2,3-cd]pyrene	23.42	276	626724	11.54 ug/ml	92
88) Dibenz[a,h]anthracene	23.44	278	500742	9.64 ug/ml	81
89) Benzo[g,h,i]perylene	23.84	276	542327	11.34 ug/ml	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMSDATA\P\051109A\P42309.D Vial: 4
Acq On : 11 May 2009 14:58 Operator: JI
Sample : BKS109708 Inst : GC/MS-P
Misc : BKS109708 , CH2MHILL, WATER HP#P JI Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 7:55 2009 Quant Results File: L8270GT1.RES

Method : C:\HPCHEM\1\METHODS\L8270GT1.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue May 12 08:46:02 2009
Response via : Initial Calibration



SEMIVOLATILE EXTRACTION LOG SOIL / WATER / WIPES / OIL

Sep. Funnel 3510C / Continuous 3520C / Soxhlet 3540C / Sonication 3550B / Waste Dilution 3580A

OLC03.2 / OLM04.2 / OLM03.2 / OLM04.3

Approval / Date: VT 05/11/09 GPC: Y / N

Analysis Method: 8270 LL PAH

BN Ext.Chemist: T. H Date: 05/11/09 BN Conc. Chemist: T. H Date: 05/11/09

and Time: 10:00

AP Ext.Chemist: — Date: — AP Conc. Chemist: — Date: —

and Time: —

Spike Witness Initials: VT

GPL W.O. #	Fraction	Initial pH	Sample Vol. gram / mL	Surr. Vol. mL	Spike Vol. mL	BN pH Adjust.	AP pH Adjust.	F. V. mL
905068	BLK 109708	6	1000	1.0	—	≥ 12	—	1.0
	BKS	6	1000		50 µl			
	003 ms	6	900/L					
	003 msD	6	900/L					
	003	6	900/L		—			
	004	6	900/L					
905070	001	6	900/L					
	002	6	900/L					

T. H 05/11/09

Solvent: DCM / Acetone Surrogate Soln #: 45629 Matrix Spike Soln #: 45384

Lot #: G45402 Surrogate/Conc.: 2.4 PPm Matrix Spike Conc.: 200PPm

Sodium Sulfate # : G45609

Comments & Observations:

GCMS ANALYSIS LOG - SEMIVOLATILES

Reviewed By: AA Date: 04-10-09

Instrument ID:	HP # P
Analysis/Fraction:	BNA
Analyst(s):	JL

Method File:	L8270GTI.M
Sequence FILE:	040909
Tune File:	DFTPP.U
Column: DB-5MS	

ICAL Date: 04/09/09

Injection Log

Directory: h:\gcmsdata\p\040909

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	p41727.d	1.	DFTPP050 ok	DFTPP050 HP#P JI	9 Apr 09 09:11
2	p41728.d	1.	SSTD02.5	SSTD02.5 HP#P JI	9 Apr 09 09:30
3	p41729.d	1.	SSTD020	SSTD020 HP#P JI	9 Apr 09 10:05
4	p41730.d	1.	SSTD00.2	SSTD00.2 HP#P JI	9 Apr 09 10:41
5	p41731.d	1.	SSTD00.5	SSTD00.5 HP#P JI	9 Apr 09 11:16
6	p41732.d	1.	SSTD001	SSTD001 HP#P JI	9 Apr 09 11:51
7	p41733.d	1.	SSTD005	SSTD005 HP#P JI	9 Apr 09 12:26
8	p41734.d	1.	SSTD010	SSTD010 HP#P JI	9 Apr 09 13:01
9	p41735.d	1.	SSTD010ICV ok	SSTD010ICV HP#P JI	9 Apr 09 13:41
10	p41736.d	1.	BLK109056 2 IS out	BLK109056, ARMY CORPS., SOIL HP#P JI	9 Apr 09 14:49
11	p41737.d	1.	BKS109056 1 IS out	BKS109056, ARMY CORPS., SOIL HP#P JI	9 Apr 09 15:24
12	p41738.d	1.	903211-004-021-1/1 2 IS out	10B26 BRMTMSS-M-SO, ARMY CORPS., SOIL H	9 Apr 09 15:59
13	p41739.d	1.	903211-005-022-1/1 ok	10B26 BRMESS-M-SO, ARMY CORPS., SOIL HP	9 Apr 09 16:33
14	p41740.d	1.	903211-006-023-1/1 5 IS out	10B26 BRMWSS-M-SO, ARMY CORPS., SOIL HP	9 Apr 09 17:11
15	p41741.d	1.	903211-007-031-1/2 5 IS out	10B26 BRMSBI-56-SO, ARMY CORPS., SOIL H	9 Apr 09 17:50
16	p41742.d	1.	903211-008-013-1/1 6 IS out	10B26 BRMNSS-M-SO, ARMY CORPS., SOIL HP	9 Apr 09 18:29
17	p41743.d	1.	903211-009-014-1/1 5 IS out	10B44 BRMSSS-M-SO, ARMY CORPS., SOIL HP	9 Apr 09 19:08
18	p41744.d	1.	903211-011-016-1/1 6 IS out	10B26 RUNSS-M-SO, ARMY CORPS., SOIL HP#	9 Apr 09 19:47
19	p41745.d	1.	903211-012-017-1/1 6 IS out	10B44 STO7SS-M-SO, ARMY CORPS., SOIL HP	9 Apr 09 20:26
20	p41746.d	1.	903211-013-018-1/1 6 IS out	10B44 STO8SS-M-SO, ARMY CORPS., SOIL HP	9 Apr 09 21:05

P			JL				
P			04/10/09				

Remarks

903211 # 125113 (S)

Standards	Lot#	Volume	Conc.	Date Prepared
DFTPP050	45295	1 µl	50 ppm	03/02/09
SSTD02.5	45364	4 µl	2.5	03/05/09
SSTD020	44945	↓	20	01/21/09
SSTD00.2	44946	↓	0.2	↓
SSTD00.5	44947	↓	0.5	↓
SSTD001	44948	↓	1	↓
SSTD005	44949	↓	5	↓
SSTD010	44950	↓	10	01/21/09
SSTD010ICV	45549	4 µl	10	04/09/09
LO ISTD	45394	20 µl	200	03/06/09

GCMS ANALYSIS LOG - SEMIVOLATILES

Reviewed By: JA Date: 05/12/09

Instrument ID:	HP # P
Analysis/Fraction:	BNA
Analyst(s):	JL

Method File:	L8270GT1.M
Sequence FILE:	051109A
Tune File:	DFTPP.U
Column: DB-5MS	

ICAL Date: 04/09/09

Injection Log

Directory: h:\gcmsdata\p\051109a

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	p42306.d	1.	DFTPP050 ok	DFTPP050 HP#P JI	11 May 09 13:29
2	2	p42307.d	1.	SSTD02.5 ok	SSTD02.5 HP#P JI	11 May 09 13:49
3	3	p42308.d	1.	BLK109708 ok	BLK109708 , CH2MHILL, WATER HP#P JI	11 May 09 14:24
4	4	p42309.d	1.	BKS109708 ok	BKS109708 , CH2MHILL, WATER HP#P JI	11 May 09 14:58
5	5	p42310.d	1.	905068-003-025-1/6 ok	OU1-16GW49-0509 , CH2MHILL, WATER HP#P	11 May 09 15:31
6	6	p42311.d	1.	905068-003-025-1/6MS ok	OU1-16GW49-0509MS , CH2MHILL, WATER HP	11 May 09 16:02
7	7	p42312.d	1.	905068-003-025-1/6MSD ok	OU1-16GW49-0509MSD , CH2MHILL, WATER H	11 May 09 16:33
8	8	p42313.d	1.	905068-004-037-1/2 ok	OU1-16GW49P-0509 , CH2MHILL, WATER HP#	11 May 09 17:09
9	9	p42314.d	1.	905070-001-017-1/2 ok	OU1-FB050709 , CH2MHILL, WATER HP#P JI	11 May 09 17:44
10	10	p42315.d	1.	905070-002-019-1/2 ok	OU1-EB01-050709 , CH2MHILL, WATER HP#P	11 May 09 18:19
11	11	p42316.d	1.	905018-005-005-1/1 50X	BN0074 , TERRANEAR, SOIL HP#P JI	11 May 09 18:55
12	12	p42317.d	1.	905018-006-006-1/1 50X	BN0075 , TERRANEAR, SOIL HP#P JI	11 May 09 19:30
13	13	p42318.d	1.	905018-009-009-1/1 10X	BN0078 , TERRANEAR, SOIL HP#P JI	11 May 09 20:05
14	14	p42319.d	1.	905018-010-010-1/1 100X	BN0079 , TERRANEAR, SOIL HP#P JI	11 May 09 20:40
15	15	p42320.d	1.	905018-011-011-1/1 50X	BN0080 , TERRANEAR, SOIL HP#P JI	11 May 09 21:16
16	16	p42321.d	1.	905018-018-018-1/1 10X	BN1017 , TERRANEAR, SOIL HP#P JI	11 May 09 21:51
17	7	p42322.d	1.	905068-003-025-1/6MSD	OU1-16GW49-0509MSD , CH2MHILL, WATER H	11 May 09 22:27
18	8	p42323.d	1.	905068-004-037-1/2 not used	OU1-16GW49P-0509 , CH2MHILL, WATER HP#	11 May 09 23:02
19	9	p42324.d	1.	905070-001-017-1/2 ↓	OU1-FB050709 , CH2MHILL, WATER HP#P JI	11 May 09 23:38
20	10	p42325.d	1.	905070-002-019-1/2 not used	OU1-EB01-050709 , CH2MHILL, WATER HP#P	12 May 09 00:13

JL 5/12/09

Remarks

905018 #126244(S)

905068 } #126270 (w)
905070

Standards	Lot#	Volume	Conc.	Date Prepared
DFTPP050	45295	1 µL	50 PPM	03/02/09
SSTD02.5	45559	4 µL	2.5	04/10/09
LOISTD	45394	20 µL	200	03/16/09

ORGANOCHLORINE PESTICIDES

GPL Laboratories, LLLP

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

GPL Laboratories

Surrogate Recovery Summary

Matrix : WATER Analytical Method : SW8081A SDG No : 905070

Surrogate	CL10BZ2	XYL2456CLM
Lower QC Limits	20	43
Upper QC Limits	112	113
Sample ID		
BKS109737	58	103
	59	95
BLK109737	52	86
	54	88
OUI-EB01-050709	33	124 *
	33	107
OUI-FB050709	61	111
	61	139 *

* Value outside of QC Limts

CL10BZ2 = Decachlorobiphenyl XYL2456CLM = Tetrachloro-m-xylene

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-17GW03-0509MSD

Lab Name : GPL Laboratories SDG NO : 905068 Method : SW8081A

Lab Code : GPL Lab Sample ID : 905068-001-007-1/6MSD Matrix : WATER Analysis Date : 05/13/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
4,4-DDD	.5	.5	0.0	0.57	0.57	115	114	1	20	25-150
4,4-DDE	.5	.5	0.0	0.51	0.52	102	103	1	20	35-140
4,4-DDT	.5	.5	0.0	0.47	0.47	94	95	1	20	45-140
Aldrin	.5	.5	0.0	0.53	0.54	106	108	2	20	25-140
Alpha-BHC	.5	.5	0.0	0.56	0.57	112	113	1	20	60-130
Alpha-Chlordane	.5	.5	0.0	0.55	0.55	109	110	1	20	65-125
Beta-BHC	.5	.5	0.0	0.62	0.63	124	126 *	2	20	65-125
Delta-BHC	.5	.5	0.0	0.48	0.48	96	97	1	20	45-135
Dieldrin	.5	.5	0.0	0.56	0.56	111	112	1	20	60-130
Endosulfan I	.5	.5	0.0	0.54	0.55	108	109	1	20	50-110
Endosulfan II	.5	.5	0.0	0.53	0.53	106	107	1	20	30-130
Endosulfan Sulfate	.5	.5	0.0	0.51	0.52	103	103	0	20	55-135
Endrin	.5	.5	0.0	0.59	0.59	119	118	1	20	55-135
Endrin Aldehyde	.5	.5	0.0	0.50	0.49	101	98	3	20	55-135
Endrin Ketone	.5	.5	0.0	0.53	0.54	106	107	1	20	75-125
Gamma-BHC (Lindane)	.5	.5	0.0	0.58	0.58	116	117	1	20	25-135
Gamma-Chlordane	.5	.5	0.0	0.55	0.56	110	111	1	20	60-125
Heptachlor	.5	.5	0.0	0.55	0.56	110	111	1	20	40-130

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 20 Outside Limit
Spike Recovery : 1 Out of 40 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-17GW03-0509MSD

Lab Name : GPL Laboratories SDG NO : 905068 Method : SW8081A

Lab Code : GPL Lab Sample ID : 905068-001-007-1/6MSD Matrix : WATER Analysis Date : 05/13/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Heptachlor Epoxide	.5	.5	0.0	0.58	0.57	116	115	1	20	60-130
Methoxychlor	.5	.5	0.0	0.56	0.56	113	112	1	20	55-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 20 Outside Limit
Spike Recovery : 1 Out of 40 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name : GPL Laboratories SDG NO : 905068 Method : SW8081A

Lab Code : GPL Lab Sample ID : 905068-003-031-1/6MSD Matrix : WATER Analysis Date : 05/13/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
4,4-DDD	.5	.5	0.0	0.41	0.38	81	77	5	20	25-150
4,4-DDE	.5	.5	0.0	0.36	0.37	72	74	3	20	35-140
4,4-DDT	.5	.5	0.0	0.36	0.35	72	70	3	20	45-140
Aldrin	.5	.5	0.0	0.38	0.36	75	72	4	20	25-140
Alpha-BHC	.5	.5	0.0	0.37	0.36	74	71	4	20	60-130
Alpha-Chlordane	.5	.5	0.0	0.42	0.40	85	80	6	20	65-125
Beta-BHC	.5	.5	0.0	0.57	0.55	114	109	4	20	65-125
Delta-BHC	.5	.5	0.0	0.34	0.32	67	64	5	20	45-135
Dieldrin	.5	.5	0.0	0.38	0.37	77	73	5	20	60-130
Endosulfan I	.5	.5	0.0	0.58	0.56	115 *	113 *	2	20	50-110
Endosulfan II	.5	.5	0.0	0.39	0.37	77	74	4	20	30-130
Endosulfan Sulfate	.5	.5	0.0	0.37	0.35	73	71	3	20	55-135
Endrin	.5	.5	0.0	0.41	0.40	82	80	2	20	55-135
Endrin Aldehyde	.5	.5	0.0	0.17	0.15	35 *	31 *	12	20	55-135
Endrin Ketone	.5	.5	0.0	0.40	0.37	80	75	6	20	75-125
Gamma-BHC (Lindane)	.5	.5	0.0	0.40	0.38	79	76	4	20	25-135
Gamma-Chlordane	.5	.5	0.0	0.37	0.35	73	70	4	20	60-125
Heptachlor	.5	.5	0.0	0.38	0.37	77	74	4	20	40-130

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 20 Outside Limit
Spike Recovery : 4 Out of 40 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name : GPL Laboratories SDG NO : 905068 Method : SW8081A

Lab Code : GPL Lab Sample ID : 905068-003-031-1/6MSD Matrix : WATER Analysis Date : 05/13/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Heptachlor Epoxide	.5	.5	0.0	0.38	0.38	75	75	0	20	60-130
Methoxychlor	.5	.5	0.0	0.42	0.41	85	82	4	20	55-150

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 20 Outside Limit
Spike Recovery : 4 Out of 40 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS109737

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8081A

Contract. : CTO-059 386383.FI.FQ.FQ
SDG NO : 905070
Lab Sample ID : BKS109737
Analysis Date : 05/13/2009

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
4,4-DDD	.5	0	0.48	95	25-150
4,4-DDE	.5	0	0.48	96	35-140
4,4-DDT	.5	0	0.41	81	45-140
Aldrin	.5	0	0.46	93	25-140
Alpha-BHC	.5	0	0.45	90	60-130
Alpha-Chlordane	.5	0	0.47	94	65-125
Beta-BHC	.5	0	0.46	92	65-125
Delta-BHC	.5	0	0.37	75	45-135
Dieldrin	.5	0	0.46	93	60-130
Endosulfan I	.5	0	0.50	100	50-110
Endosulfan II	.5	0	0.46	92	30-130
Endosulfan Sulfate	.5	0	0.43	86	55-135
Endrin	.5	0	0.45	89	55-135
Endrin Aldehyde	.5	0	0.49	98	55-135
Endrin Ketone	.5	0	0.46	92	75-125
Gamma-BHC (Lindane)	.5	0	0.46	92	25-135
Gamma-Chlordane	.5	0	0.46	93	60-125
Heptachlor	.5	0	0.45	90	40-130
Heptachlor Epoxide	.5	0	0.48	96	60-130
Methoxychlor	.5	0	0.42	85	55-150

* Values Outside of QC Limits.

Spike recovery : 0 out of 20 outside limits

GPL Laboratories

GPL
FORM 4
PESTICIDE METHOD BLANK SUMMARY

SAMPLE NO
BLK109737

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	109737
Lab File ID :	V030414.D	SDG NO :	905070
Date Extracted :	05/13/2009	Lab Sample ID :	BLK109737
Date Analyzed(1)	05/13/2009	Time Analyzed (1):	10:22
Date Analyzed (2)	05/13/2009	Time Analyzed(2)	10:22
GC Column(1)	RTx-CLP ID : _____ (mm)	GC Column(2) :	RTx-CLP2 ID : _____ (mm)
Matrix :(Soil/Water).	WATER	Extraction:	SepF / Cont / Sonc
Sulfur Cleanup:(Y/N).	_____		

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Date Analyzed 1	Date Analyzed 2
BKS109737	BKS109737	05/13/2009	05/13/2009
OUI-FB050709	905070-001-021-1/2	05/13/2009	05/13/2009
OUI-EB01-050709	905070-002-023-1/2	05/13/2009	05/13/2009

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-021-1/2
Sample Volume :	1000	Lab File ID :	V030416.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030416.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\V\051309\V030416.D\ECD2B.CH
Acq On : 5-13-2009 11:23:22 Operator: RP
Sample : 905070-001-021-1/2 Inst : GC-V
Misc : OUI-FB050709 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:32 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.83f	6.47f	140.4E6	171.7E6	22.230	27.809 #
Spiked Amount 20.000 Range 50 - 130 Recovery =					111.15%	139.05%#
28) S Decachlorobiphen	20.53	22.21	93184643	59539655	12.234m	12.138
Spiked Amount 20.000 Range 30 - 150 Recovery =					61.17%	60.69%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

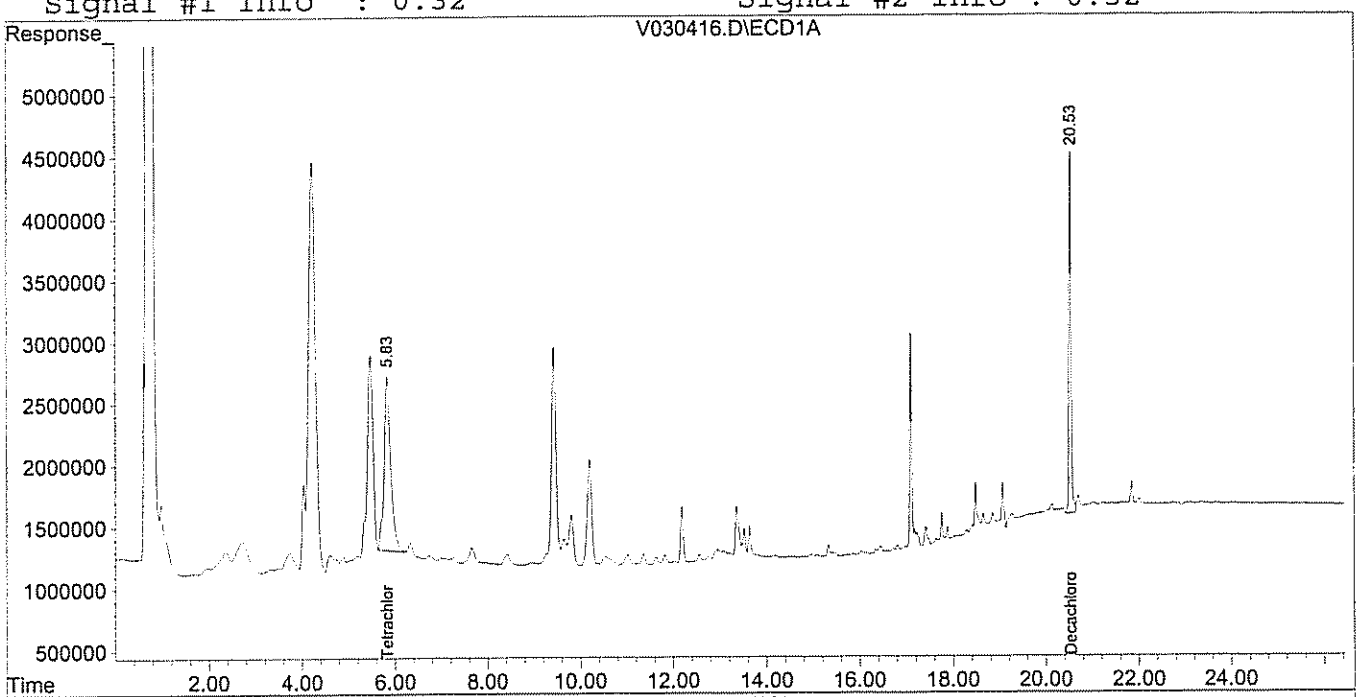
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

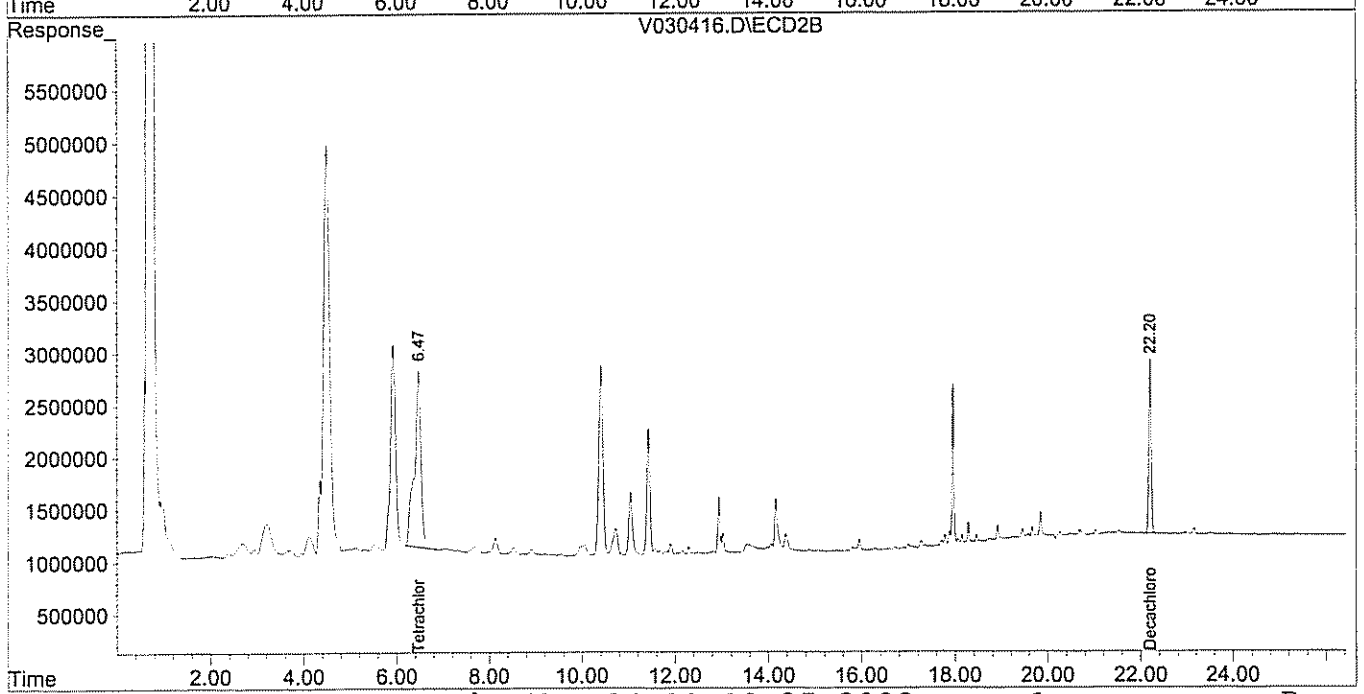
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030416.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\V\051309\V030416.D\ECD2B.CH
Acq On : 5-13-2009 11:23:22 Operator: RP
Sample : 905070-001-021-1/2 Inst : GC-V
Misc : OUI-FB050709 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:32 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-023-1/2
Sample Volume :	1000	Lab File ID :	V030417.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030417.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\V\051309\V030417.D\ECD2B.CH
Acq On : 5-13-2009 11:53:30 Operator: RP
Sample : 905070-002-023-1/2 Inst : GC-V
Misc : OUI-EB01-050709 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:34 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.85f	6.47f	156.1E6	131.7E6	24.714m	21.327m
Spiked Amount 20.000 Range 50 - 130 Recovery =					123.57%	106.64%
28) S Decachlorobiphen	20.53	22.20	49757902	31878299	6.532m	6.499
Spiked Amount 20.000 Range 30 - 150 Recovery =					32.66%	32.50%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

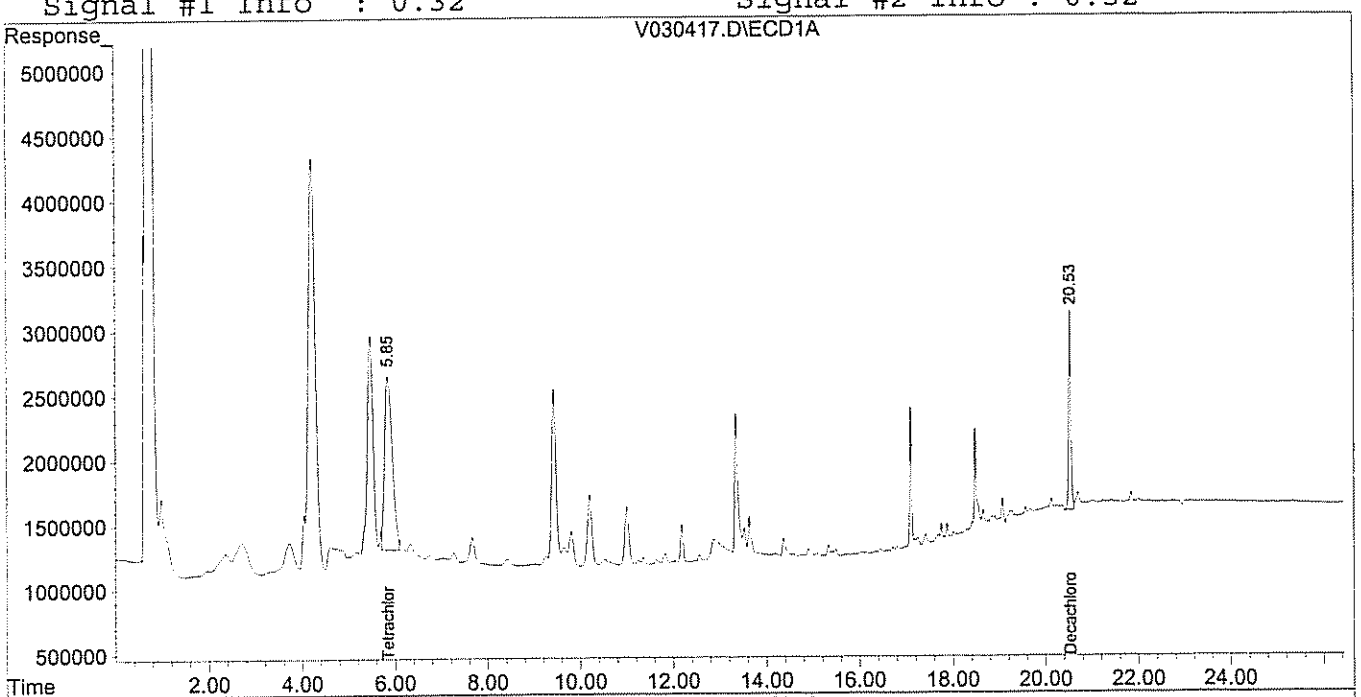
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

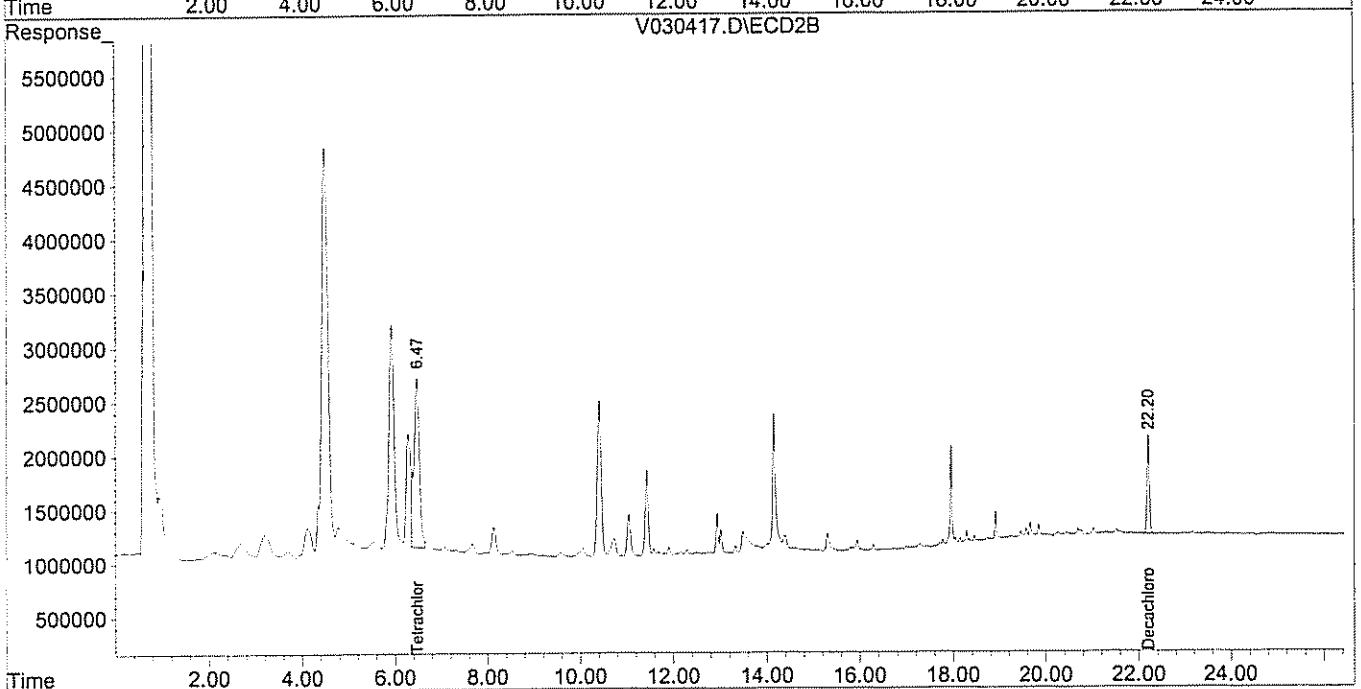
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030417.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\V\051309\V030417.D\ECD2B.CH
Acq On : 5-13-2009 11:53:30 Operator: RP
Sample : 905070-002-023-1/2 Inst : GC-V
Misc : OUI-EB01-050709 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:34 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





C. Standards Data

1. Initial Calibration Data
2. Continuing Calibration Data

Response Factor Report GC-V

Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator)
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009

Calibration Files
P005 =V030336.D P025 =V030335.D P050 =V030334.D
P075 =V030333.D P100 =V030332.D P001 =V024679.D

		Compound	P005	P025	P050	P075	P100	P001	Avg	%RSD
1)	S	Tetrachloro-m-xylen	6.701	6.404	6.119	6.329	6.027		6.316 E6	4.18
2)	A	Hexachlorobenzene							0.000 0	-1.00
3)	A	alpha-BHC	0.868	0.922	0.958	1.056	1.020		0.965 E7	7.78
4)	MA	gamma-BHC (Lindane)	8.501	8.812	8.983	9.772	9.404		9.094 E6	5.50
5)	MA	Heptachlor	9.513	9.244	9.161	9.907	9.503		9.466 E6	3.08
6)	MB	Aldrin	8.429	8.590	8.754	9.508	9.165		8.889 E6	4.96
7)	B	beta-BHC	4.339	4.187	3.984	4.132	3.890		4.106 E6	4.28
8)	B	delta-BHC	7.920	8.499	8.803	9.660	9.312		8.839 E6	7.72
9)	A	2,4-DDE							0.000 0	-1.00
10)	B	Heptachlor Epoxide	8.597	8.316	8.335	8.719	8.702		8.534 E6	2.30
11)	A	Endosulfan I	8.451	8.107	8.225	8.774	8.236		8.358 E6	3.15
12)	A	gamma-Chlordane	9.743	9.022	8.679	9.335	8.934		9.143 E6	4.48
13)	A	alpha-Chlordane	1.705	1.705	1.714	1.834	1.759		1.743 E7	3.17
14)	B	Trans-Nonachlor	1.705	1.705	1.714	1.834	1.759		1.743 E7	3.17
15)	B	4,4-DDE	7.488	7.952	7.974	8.887	8.547		8.170 E6	6.73
16)	MA	2,4-DDD							0.000 0	-1.00
17)	MA	Dieldrin	8.560	8.640	8.861	9.547	9.193		8.960 E6	4.57
18)	MA	2,4-DDT							0.000 0	-1.00
19)	MA	Endrin	7.224	7.414	7.501	8.004	7.720		7.573 E6	3.96
20)	B	Endosulfan II	7.755	7.723	7.687	8.187	7.834		7.837 E6	2.59
21)	A	4,4-DDD	6.001	6.238	6.445	6.926	6.678		6.458 E6	5.61
22)	MA	4,4-DDT	6.707	7.174	7.352	8.019	7.722		7.395 E6	6.83
23)	B	Endrin Aldehyde	5.721	5.379	5.384	5.659	5.347		5.498 E6	3.22
24)	B	Mirex							0.000 0	-1.00
25)	B	Endosulfan Sulfate	7.152	7.022	7.097	7.519	7.176		7.193 E6	2.66
26)	A	Methoxychlor	2.775	3.742	3.594	3.355	3.490		3.391 E6	10.98
27)	B	Endrin Ketone	8.681	8.570	8.522	8.960	8.460		8.639 E6	2.28
28)	S	Decachlorobiphenyl	8.501	7.711	7.327	7.523	7.022		7.617 E6	7.30
29)	L8	Toxaphene			8.540				8.540 E4	0.00
30)	L8	Toxaphene {2}			2.506				2.506 E5	0.00
31)	L8	Toxaphene {3}			2.481				2.481 E5	0.00
32)	L8	Toxaphene {4}			1.787				1.787 E5	0.00
33)	L8	Toxaphene {5}			1.877				1.877 E5	0.00
34)	L9	Chlordane			4.640				4.640 E5	0.00
35)	L9	Chlordane {2}			3.028				3.028 E5	0.00
36)	L9	Chlordane {3}			1.106				1.106 E6	0.00
37)	L9	Chlordane {4}			1.882				1.882 E6	0.00
38)	L9	Chlordane {5}			2.806				2.806 E5	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC-V

Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator)
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009

Calibration Files
P005 =V030336.D P025 =V030335.D P050 =V030334.D
P075 =V030333.D P100 =V030332.D P001 =V024679.D

Signal #2 Calibration Files
P005 =V030336.D P025 =V030335.D P050 =V030334.D
P075 =V030333.D P100 =V030332.D P001 =V024679.D

		Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
1)	S	Tetrachloro-m-xylen	6.932	6.278	5.893	6.058	5.720		6.176	E6	7.61
2)	A	Hexachlorobenzene							0.000	0	-1.00
3)	A	alpha-BHC	0.944	0.936	0.941	1.005	0.967		0.959	E7	2.97
4)	MA	gamma-BHC (Lindane)	9.051	8.831	8.657	9.212	8.796		8.909	E6	2.47
5)	MA	Heptachlor	8.588	8.154	7.941	8.413	8.041		8.227	E6	3.25
6)	MB	Aldrin	8.502	7.897	7.714	8.182	7.824		8.024	E6	3.97
7)	B	beta-BHC	4.389	4.009	3.746	3.826	3.608		3.915	E6	7.71
8)	B	delta-BHC	8.741	8.614	8.634	9.204	8.825		8.803	E6	2.72
9)	B	2,4-DDE							0.000	0	-1.00
10)	B	Heptachlor Epoxide	8.129	7.476	7.254	7.686	7.320		7.573	E6	4.65
11)	A	Endosulfan I	7.416	6.925	6.719	7.009	6.605		6.935	E6	4.52
12)	A	gamma-Chlordane	7.894	7.309	7.158	7.559	7.183		7.421	E6	4.16
13)	A	alpha-Chlordane	7.837	7.253	7.039	7.328	7.011		7.294	E6	4.57
14)	B	Trans-Nonachlor	7.704	6.962	6.634	6.991	6.658		6.990	E6	6.19
15)	B	4,4-DDE	7.369	6.921	6.823	7.069	7.026		7.041	E6	2.93
16)	MA	2,4-DDD							0.000	0	-1.00
17)	MA	Dieldrin	8.116	7.611	7.464	7.877	7.514		7.717	E6	3.55
18)	MA	2,4-DDT							0.000	0	-1.00
19)	MA	Endrin	6.622	6.298	6.138	6.444	6.155		6.331	E6	3.23
20)	B	Endosulfan II	6.885	6.284	6.102	6.384	6.051		6.341	E6	5.25
21)	A	4,4-DDD	5.853	5.552	5.477	5.708	5.554		5.629	E6	2.68
22)	MA	4,4-DDT	5.563	5.498	5.436	5.797	5.502		5.559	E6	2.52
23)	B	Endrin Aldehyde	4.776	4.199	4.099	4.254	3.999		4.265	E6	7.08
24)	B	Mirex							0.000	0	-1.00
25)	B	Endosulfan Sulfate	5.925	5.345	5.233	5.457	5.146		5.421	E6	5.62
26)	A	Methoxychlor	3.080	2.777	2.653	2.726	2.547		2.757	E6	7.27
27)	B	Endrin Ketone	7.056	6.444	6.218	6.474	6.068		6.452	E6	5.84
28)	S	Decachlorobiphenyl	5.547	5.058	4.707	4.764	4.452		4.905	E6	8.53
29)	L8	Toxaphene			4.768				4.768	E4	0.00
30)	L8	Toxaphene {2}			1.636				1.636	E5	0.00
31)	L8	Toxaphene {3}			2.931				2.931	E5	0.00
32)	L8	Toxaphene {4}			1.368				1.368	E5	0.00
33)	L8	Toxaphene {5}			1.485				1.485	E5	0.00
34)	L9	Chlordane			2.162				2.162	E5	0.00
35)	L9	Chlordane {2}			2.296				2.296	E5	0.00
36)	L9	Chlordane {3}			8.368				8.368	E5	0.00
37)	L9	Chlordane {4}			6.232				6.232	E5	0.00
38)	L9	Chlordane {5}			2.165				2.165	E5	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030330.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\V\042009\V030330.D\ECD2B.CH
Acq On : 4-20-2009 13:59:10 Operator: RP
Sample : TOX-3 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 8:05 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.82	6.44	156.1E6	153.5E6	24.618	24.652
Spiked Amount 20.000 Range 50 - 130 Recovery =					123.09%	123.26%
28) S Decachlorobiphen	20.54	22.21	180.0E6	117.3E6	23.716	23.929
Spiked Amount 20.000 Range 30 - 150 Recovery =					118.58%	119.65%
Target Compounds						
29) L8 Toxaphene	15.22	16.32	42698262	23841906	501.357m	491.947m
30) L8 Toxaphene {2}	16.17	17.25	125.3E6	81786180	506.561m	499.347m
31) L8 Toxaphene {3}	16.47	17.45	124.1E6	146.6E6	498.095m	492.934m
32) L8 Toxaphene {4}	16.98	17.98	89346606	68383332	494.564m	500.293m
33) L8 Toxaphene {5}	17.85	18.91	93842442	74272480	505.239m	501.758m
Sum Toxaphene			475.2E6	394.9E6	NoCal	NoCal
Average Toxaphene					501.163	497.256
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

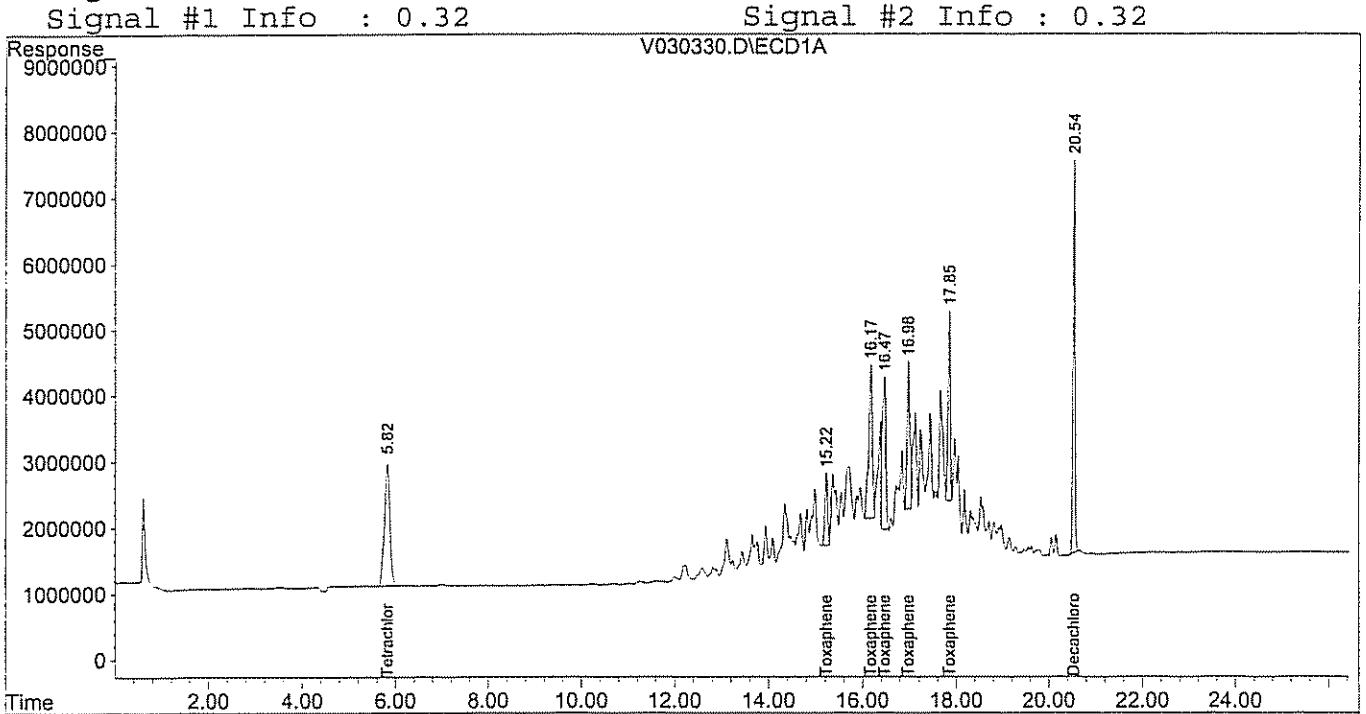
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

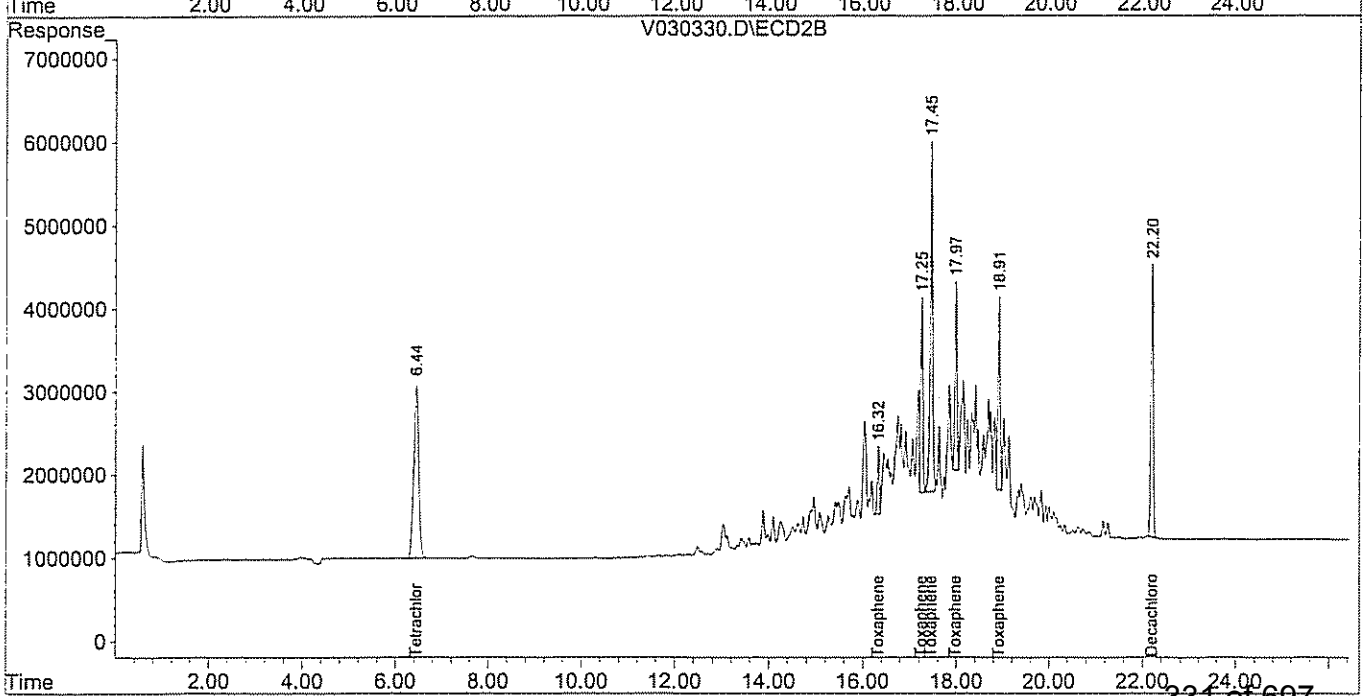
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030330.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\V\042009\V030330.D\ECD2B.CH
Acq On : 4-20-2009 13:59:10 Operator: RP
Sample : TOX-3 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 8:05 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030331.D\ECD1A.CH Vial: 4
Signal #2 : H:\GCDATA\V\042009\V030331.D\ECD2B.CH
Acq On : 4-20-2009 14:29:20 Operator: RP
Sample : CHLOR-3 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 8:37 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.80	6.45	210.0E6	195.3E6	31.056m	29.768
Spiked Amount 20.000 Range 50 - 130 Recovery =					155.28%#	148.84%#
28) S Decachlorobiphen	20.53	22.20	189.7E6	120.9E6	24.737	24.509
Spiked Amount 20.000 Range 30 - 150 Recovery =					123.69%	122.55%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
34) L9 Chlordane	10.48	11.25	232.0E6	108.1E6	500.000	502.931m
35) L9 Chlordane {2}	12.03	13.19	151.4E6	114.8E6	491.274m	492.218m
36) L9 Chlordane {3}	13.64	14.77	553.0E6	418.4E6	494.235m	500.492m
37) L9 Chlordane {4}	13.95	15.17	941.2E6	311.6E6	495.714m	504.918m
38) L9 Chlordane {5}	16.00	17.37	140.3E6	108.2E6	507.215m	491.188m
Sum Chlordane			2017.9E6	1061.1E6	2488.438	2491.747
Average Chlordane					497.688	498.349

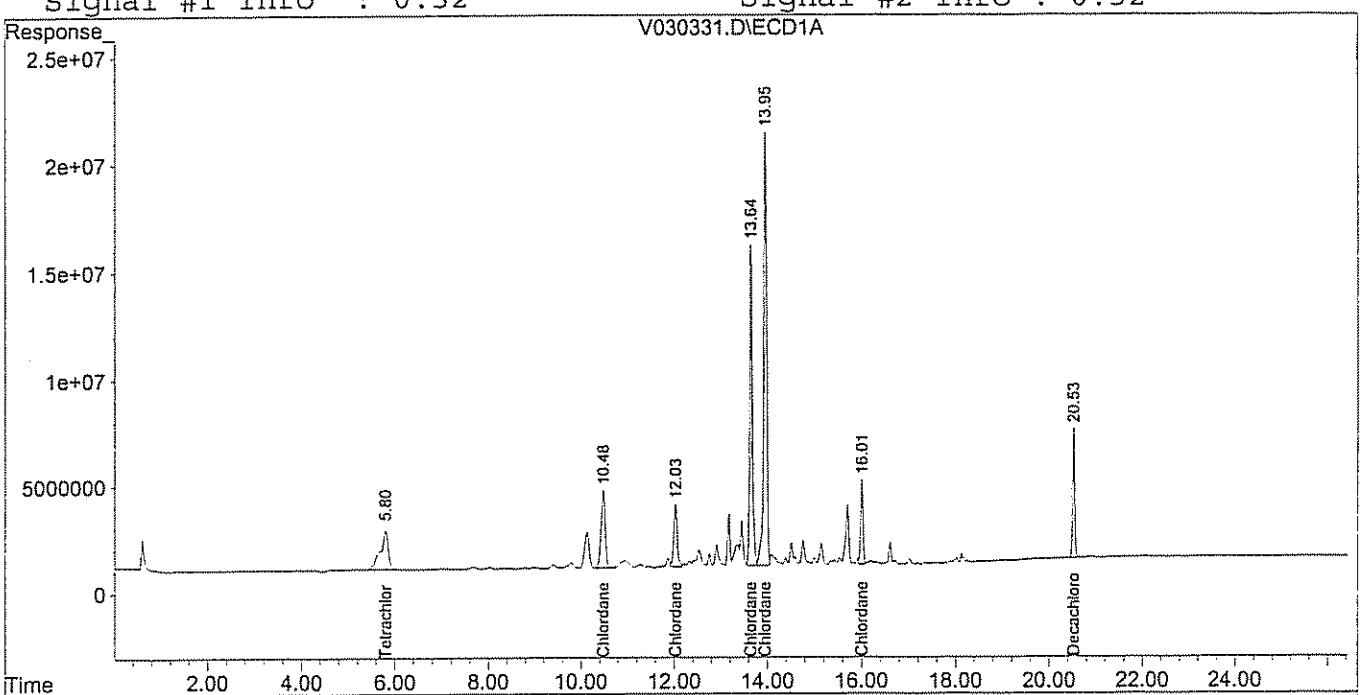
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

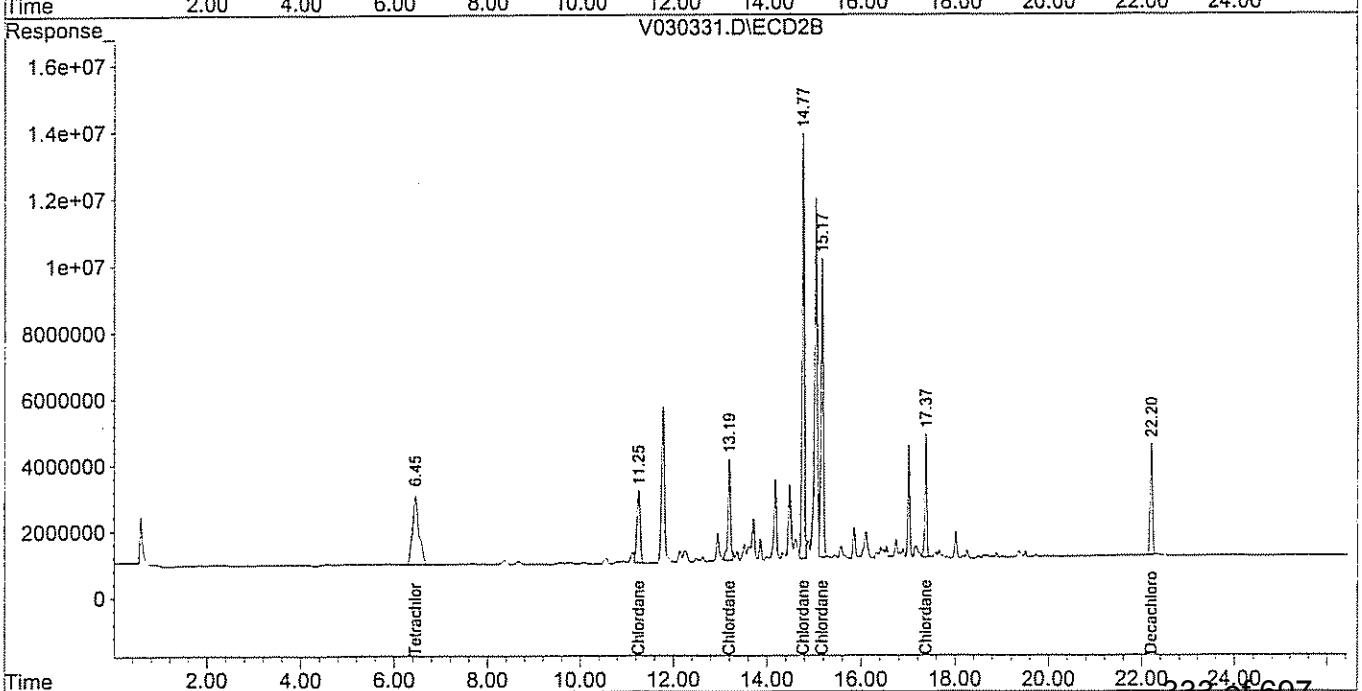
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030331.D\ECD1A.CH Vial: 4
Signal #2 : H:\GCDATA\V\042009\V030331.D\ECD2B.CH
Acq On : 4-20-2009 14:29:20 Operator: RP
Sample : CHLOR-3 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 8:37 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030332.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\V\042009\V030332.D\ECD2B.CH
Acq On : 4-20-2009 14:59:40 Operator: RP
Sample : PEST-6 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:35 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.80	6.44	301.4E6	286.0E6	49.252	48.528
Spiked Amount	20.000 Range 50 - 130 Recovery =					246.26%#	242.64%#
28) S	Decachlorobiphen	20.53	22.20	351.1E6	222.6E6	47.918	47.291
Spiked Amount	20.000 Range 30 - 150 Recovery =					239.59%#	236.46%#
	Target Compounds						
3) A	alpha-BHC	7.50	8.51	1019.6E6	967.3E6	106.414	102.769
4) MA	gamma-BHC (Linda	8.58	9.97	940.4E6	879.6E6	104.687	101.613
5) MA	Heptachlor	10.47	11.77	950.3E6	804.1E6	103.728	101.259
6) MB	Aldrin	11.56	12.76	916.5E6	782.4E6	104.697	101.432
7) B	beta-BHC	8.91	10.36	389.0E6	360.8E6	97.636	96.316
8) B	delta-BHC	9.59	11.52	931.2E6	882.5E6	105.782	102.212
10) B	Heptachlor Epoxi	13.33	14.26	870.2E6	732.0E6	104.402	100.911
11) A	Endosulfan I	14.30	15.31	823.6E6	660.5E6	100.135m	98.300m
12) A	gamma-Chlordane	13.64	14.77	893.4E6	718.3E6	102.939	100.354
13) A	alpha-Chlordane	13.96	15.17	1758.7E6	701.1E6	102.587	99.599m
14) B	Trans-Nonachlor	13.96	15.03	1758.7E6	665.8E6	102.587	100.358m
15) B	4,4-DDE	14.21	15.67	854.7E6	702.6E6	107.183m	102.962
17) MA	Dieldrin	14.94	16.08	919.3E6	751.4E6	103.752	100.675
19) MA	Endrin	15.57	16.80	772.0E6	615.5E6	102.916	100.278
20) B	Endosulfan II	16.18	17.27	783.4E6	605.1E6	101.908	99.167
21) A	4,4-DDD	15.82	17.07	667.8E6	555.4E6	103.615m	101.397
22) MA	4,4-DDT	16.52	17.72	772.2E6	550.2E6	105.029	101.224
23) B	Endrin Aldehyde	17.15	17.94	534.7E6	399.9E6	99.311m	97.557
25) B	Endosulfan Sulfa	18.03	18.46	717.6E6	514.6E6	101.115	98.336
26) A	Methoxychlor	17.60	18.97	349.0E6	254.7E6	97.094	95.999
27) B	Endrin Ketone	18.55	19.46	846.0E6	606.8E6	99.274	97.598
Sum	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000
Sum	Chlordane			0	0	N.D.	N.D.
Average	Chlordane					0.000	0.000

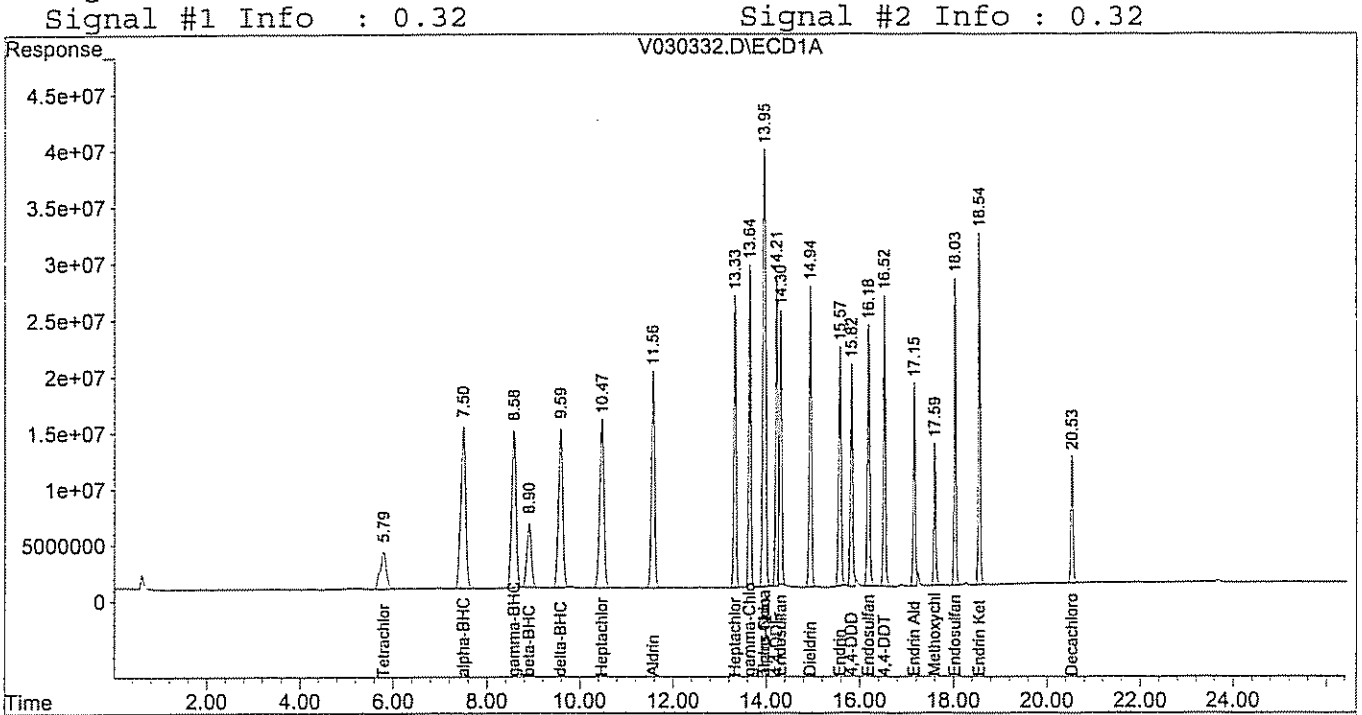
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

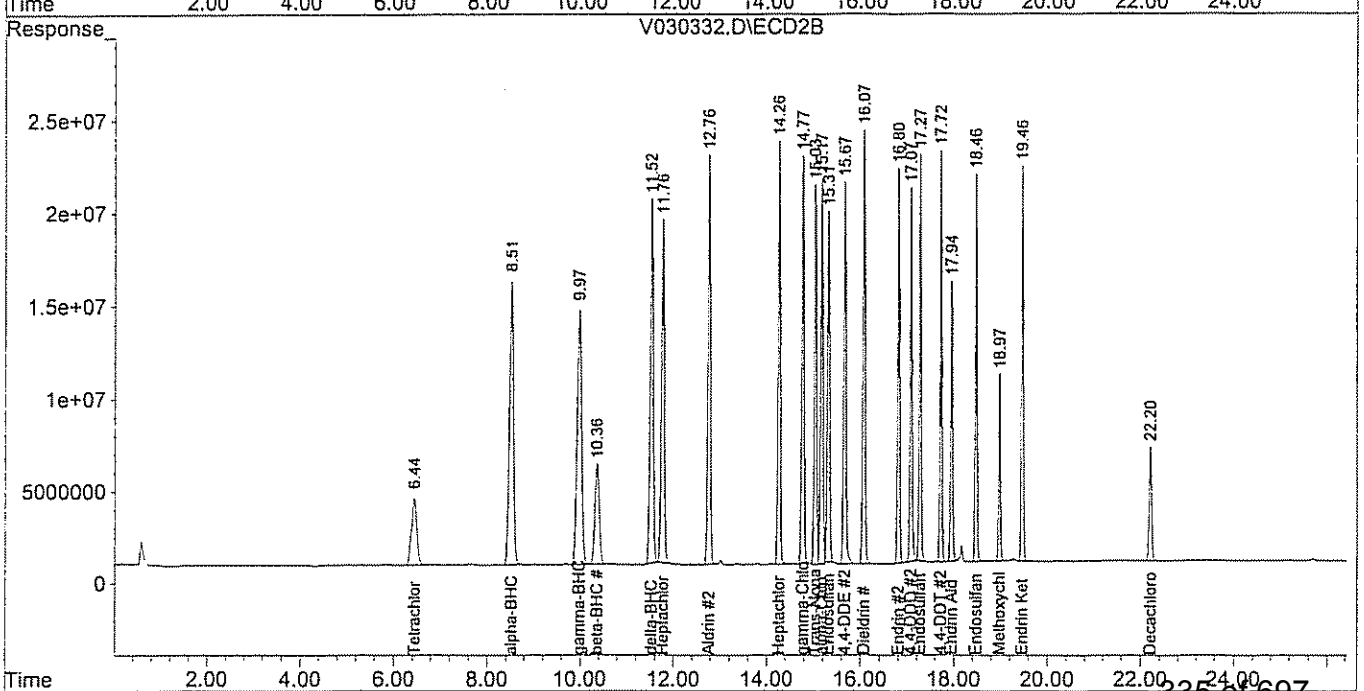
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030332.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\V\042009\V030332.D\ECD2B.CH
Acq On : 4-20-2009 14:59:40 Operator: RP
Sample : PEST-6 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:35 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030333.D\ECD1A.CH Vial: 6
Signal #2 : H:\GCDATA\V\042009\V030333.D\ECD2B.CH
Acq On : 4-20-2009 15:29:53 Operator: RP
Sample : PEST-5 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:38 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.79	6.44	237.3E6	227.2E6	39.078	39.124
Spiked Amount	20.000 Range	50 - 130		Recovery	=	195.39%#	195.62%#
28) S	Decachlorobiphen	20.53	22.20	282.1E6	178.7E6	39.321	39.015
Spiked Amount	20.000 Range	30 - 150		Recovery	=	196.61%#	195.08%#
	Target Compounds						
3) A	alpha-BHC	7.50	8.52	791.7E6	753.6E6	80.061	78.974
4) MA	gamma-BHC (Linda	8.58	9.98	732.9E6	690.9E6	79.724	79.171
5) MA	Heptachlor	10.47	11.77	743.0E6	630.9E6	79.622	78.956
6) MB	Aldrin	11.57	12.76	713.1E6	613.6E6	79.586	78.981
7) B	beta-BHC	8.91	10.37	309.9E6	286.9E6	78.713	78.044
8) B	delta-BHC	9.59	11.53	724.5E6	690.3E6	79.992	79.073
10) B	Heptachlor Epoxi	13.33	14.26	653.9E6	576.4E6	76.765	79.103
11) A	Endosulfan I	14.30	15.32	658.0E6	525.7E6	79.952m	78.912m
12) A	gamma-Chlordane	13.64	14.77	700.1E6	566.9E6	79.505	79.067
13) A	alpha-Chlordane	13.96	15.17	1375.3E6	549.6E6	79.196	78.240m
14) B	Trans-Nonachlor	13.96	15.03	1375.3E6	524.3E6	79.196	78.893m
15) B	4,4-DDE	14.21	15.67	666.5E6	530.1E6	80.685m	76.560
17) MA	Dieldrin	14.94	16.08	716.0E6	590.8E6	79.324	78.883
19) MA	Endrin	15.57	16.81	600.3E6	483.3E6	78.876	78.639
20) B	Endosulfan II	16.18	17.27	614.1E6	478.8E6	79.127	78.798
21) A	4,4-DDD	15.82	17.07	519.4E6	428.1E6	79.160m	77.625
22) MA	4,4-DDT	16.52	17.72	601.5E6	434.7E6	79.800	79.494
23) B	Endrin Aldehyde	17.15	17.95	424.4E6	319.0E6	79.099m	78.797
25) B	Endosulfan Sulfa	18.03	18.46	564.0E6	409.3E6	79.023	78.872
26) A	Methoxychlor	17.60	18.97	251.6E6	204.4E6	71.041	78.621
27) B	Endrin Ketone	18.55	19.46	672.0E6	485.5E6	79.142	79.041
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

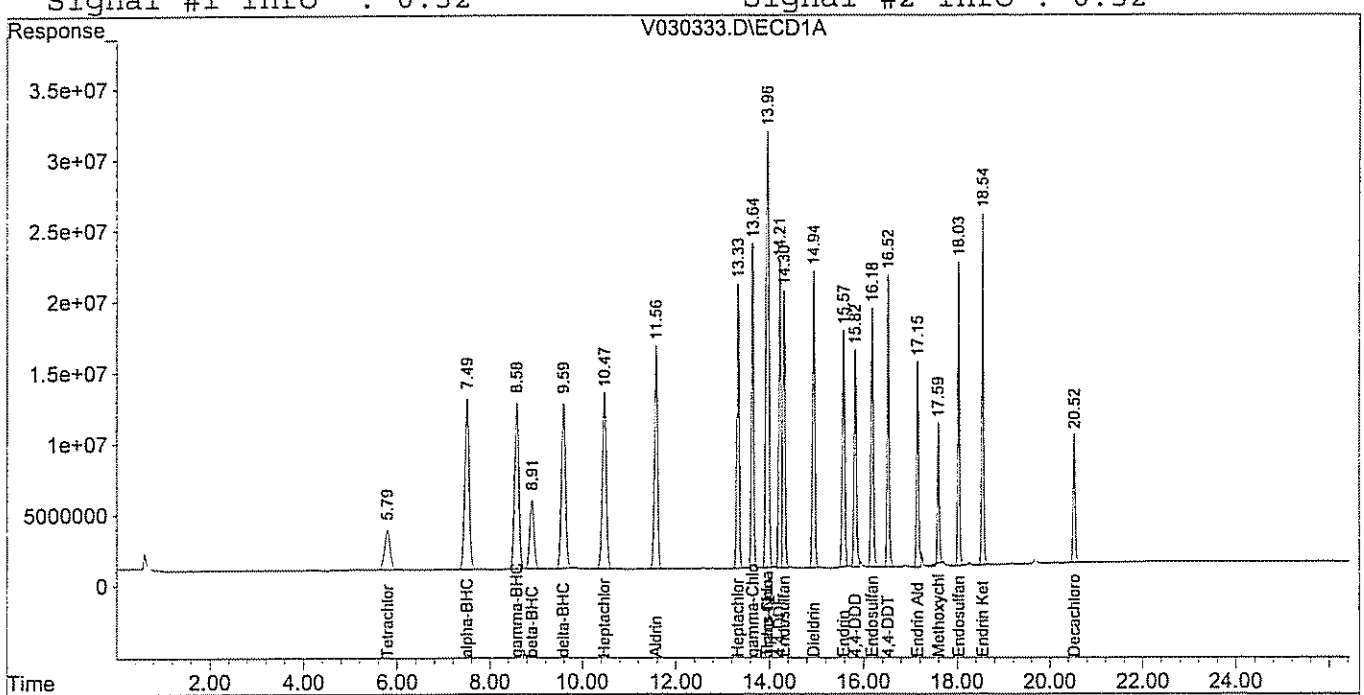
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

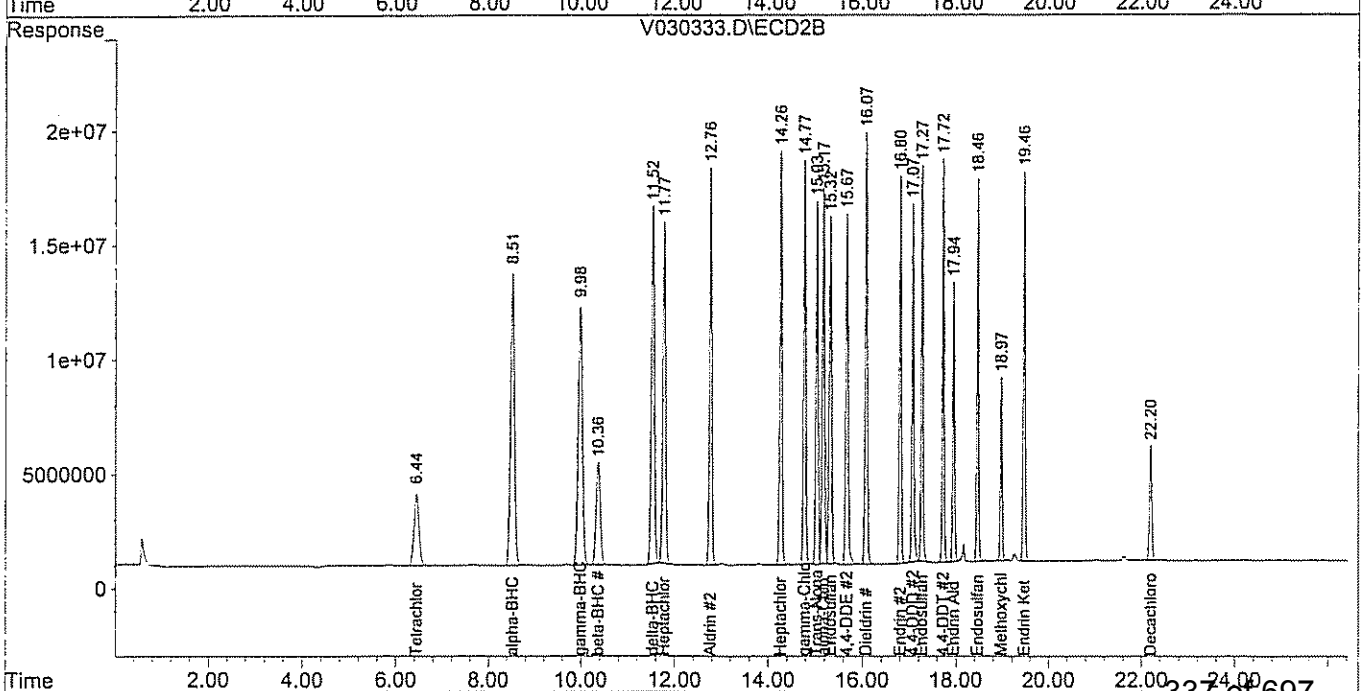
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030333.D\ECD1A.CH Vial: 6
Signal #2 : H:\GCDATA\V\042009\V030333.D\ECD2B.CH
Acq On : 4-20-2009 15:29:53 Operator: RP
Sample : PEST-5 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:38 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030334.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\V\042009\V030334.D\ECD2B.CH
Acq On : 4-20-2009 16:00:11 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:33 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	5.79	6.44	153.0E6	147.3E6	24.867	24.839
Spiked Amount			20.000	Range	50 - 130	Recovery	= 124.34%	124.20%
28)	S	Decachlorobiphen	20.53	22.20	183.2E6	117.7E6	25.000	25.000
Spiked Amount			20.000	Range	30 - 150	Recovery	= 125.00%	125.00%
		Target Compounds						
3)	A	alpha-BHC	7.50	8.52	479.1E6	470.6E6	49.905	50.000
4)	MA	gamma-BHC (Linda	8.58	9.98	449.1E6	432.8E6	50.000	50.000
5)	MA	Heptachlor	10.47	11.77	458.1E6	397.1E6	50.000	50.000
6)	MB	Aldrin	11.57	12.76	437.7E6	385.7E6	50.000	50.000
7)	B	beta-BHC	8.91	10.37	199.2E6	187.3E6	50.000	50.000
8)	B	delta-BHC	9.59	11.53	440.1E6	431.7E6	50.000	50.000
10)	B	Heptachlor Epoxi	13.33	14.26	416.8E6	362.7E6	50.000	50.000
11)	A	Endosulfan I	14.31	15.32	411.2E6	335.9E6	49.105m	50.340m
12)	A	gamma-Chlordane	13.64	14.77	433.9E6	357.9E6	50.000	50.000
13)	A	alpha-Chlordane	13.96	15.17	857.2E6	351.9E6	50.000	49.732m
14)	B	Trans-Nonachlor	13.96	15.03	857.2E6	331.7E6	50.000	49.899m
15)	B	4,4-DDE	14.22	15.67	398.7E6	341.2E6	50.875m	50.000
17)	MA	Dieldrin	14.94	16.08	443.0E6	373.2E6	50.000	50.000
19)	MA	Endrin	15.58	16.81	375.1E6	306.9E6	50.000	50.000
20)	B	Endosulfan II	16.18	17.27	384.4E6	305.1E6	50.000	50.000
21)	A	4,4-DDD	15.82	17.07	322.3E6	273.9E6	50.581m	50.000
22)	MA	4,4-DDT	16.52	17.72	367.6E6	271.8E6	50.000	50.000
23)	B	Endrin Aldehyde	17.15	17.95	269.2E6	204.9E6	49.922m	50.000
25)	B	Endosulfan Sulfa	18.03	18.46	354.9E6	261.7E6	50.000	50.000
26)	A	Methoxychlor	17.60	18.97	179.7E6	132.7E6	50.000	50.000
27)	B	Endrin Ketone	18.55	19.46	426.1E6	310.9E6	50.000	50.000
		Sum Toxaphene			0	0	N.D.	N.D.
		Average Toxaphene					0.000	0.000
		Sum Chlordane			0	0	N.D.	N.D.
		Average Chlordane					0.000	0.000

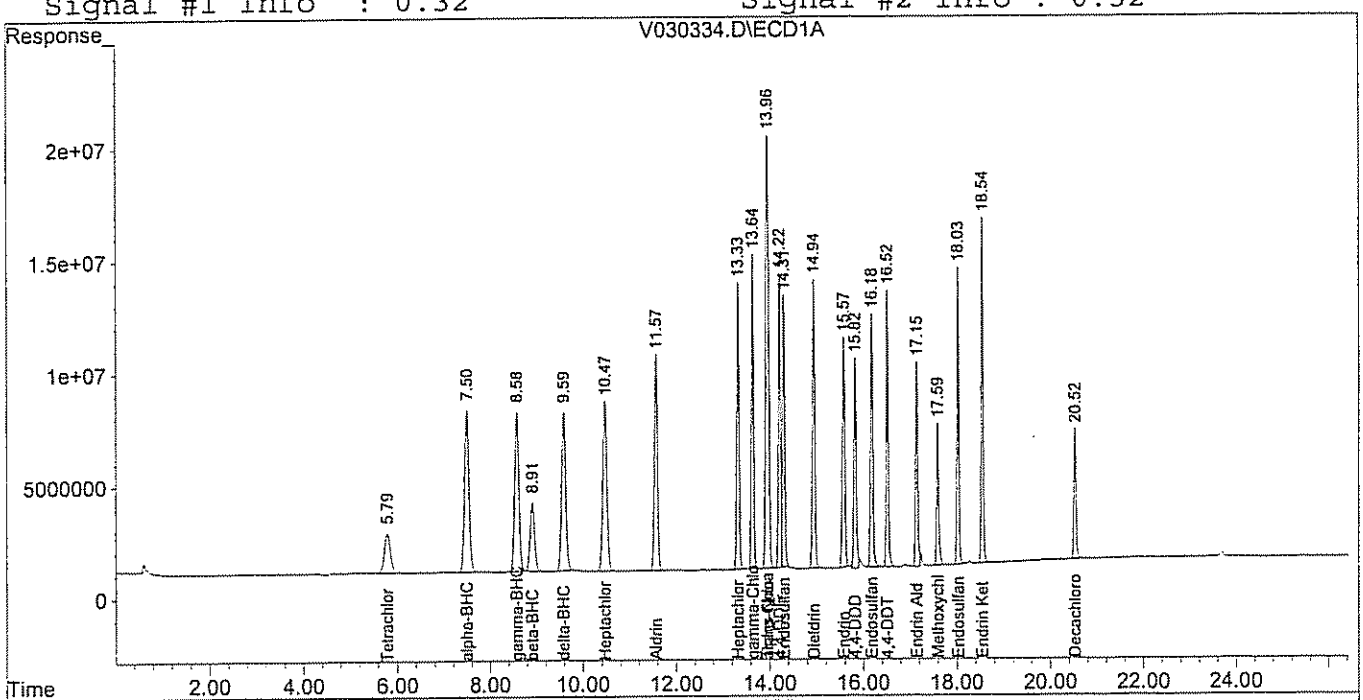
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

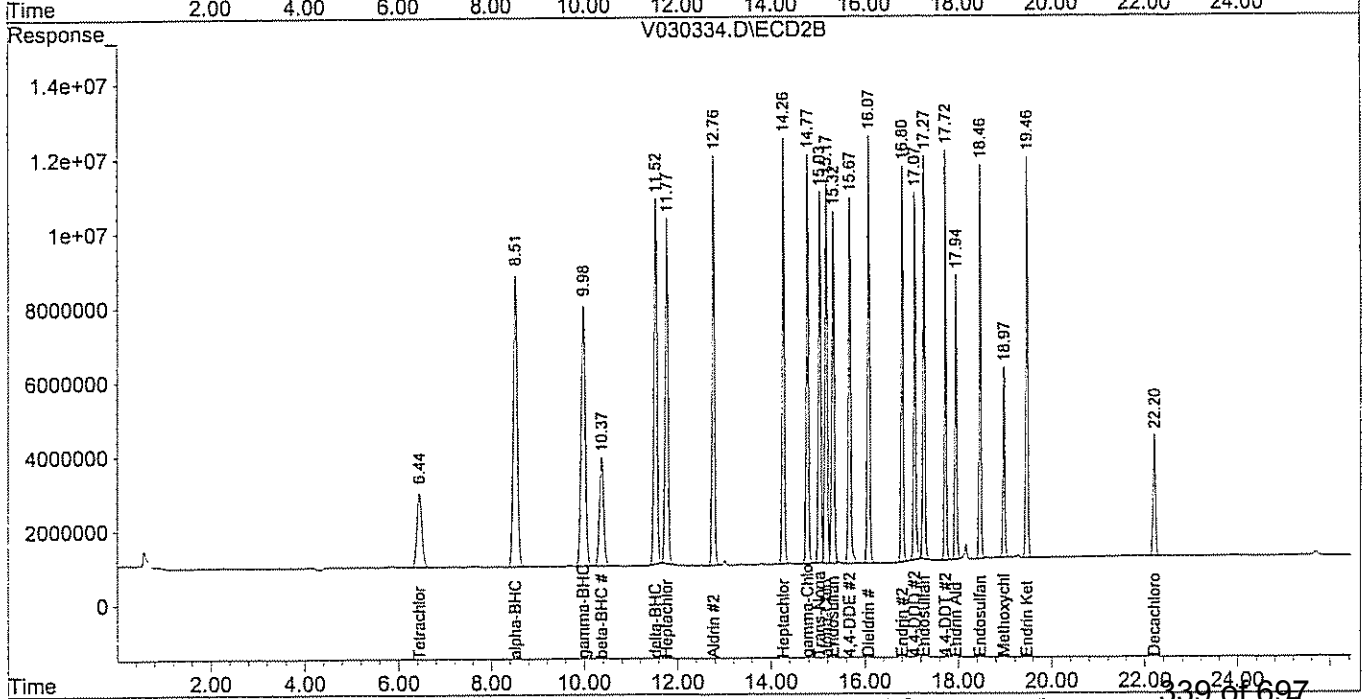
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030334.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\V\042009\V030334.D\ECD2B.CH
Acq On : 4-20-2009 16:00:11 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:33 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030335.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\V\042009\V030335.D\ECD2B.CH
Acq On : 4-20-2009 16:30:22 Operator: RP
Sample : PEST-3 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:40 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.80	6.45	80047411	78474935	12.998	13.323
Spiked Amount	20.000 Range	50 - 130	Recovery =			64.99%	66.62%
28) S	Decachlorobiphen	20.53	22.20	96383736	63222521	13.219	13.623
Spiked Amount	20.000 Range	30 - 150	Recovery =			66.10%	68.11%
	Target Compounds						
3) A	alpha-BHC	7.50	8.52	230.5E6	234.1E6	22.792	24.102
4) MA	gamma-BHC (Linda	8.59	9.98	220.3E6	220.8E6	23.471	24.840
5) MA	Heptachlor	10.48	11.77	231.1E6	203.9E6	24.267	25.070
6) MB	Aldrin	11.57	12.77	214.7E6	197.4E6	23.489	24.969
7) B	beta-BHC	8.91	10.37	104.7E6	100.2E6	26.158	26.892
8) B	delta-BHC	9.59	11.53	212.5E6	215.3E6	22.949	24.230
10) B	Heptachlor Epoxi	13.33	14.26	207.9E6	186.9E6	24.216	25.190
11) A	Endosulfan I	14.31	15.32	202.7E6	173.1E6	24.096m	25.545m
12) A	gamma-Chlordane	13.64	14.77	225.6E6	182.7E6	25.111	25.032
13) A	alpha-Chlordane	13.96	15.17	426.3E6	181.3E6	24.098	25.448m
14) B	Trans-Nonachlor	13.96	15.03	426.3E6	174.1E6	24.098	25.744m
15) B	4,4-DDE	14.22	15.67	198.8E6	173.0E6	23.472m	24.815
17) MA	Dieldrin	14.94	16.08	216.0E6	190.3E6	23.477	24.976
19) MA	Endrin	15.58	16.81	185.3E6	157.5E6	23.940	25.211
20) B	Endosulfan II	16.18	17.27	193.1E6	157.1E6	24.430	25.426
21) A	4,4-DDD	15.82	17.07	155.9E6	138.8E6	23.334m	24.874
22) MA	4,4-DDT	16.52	17.72	179.4E6	137.5E6	23.300	24.643
23) B	Endrin Aldehyde	17.15	17.95	134.5E6	105.0E6	24.613m	25.499
25) B	Endosulfan Sulfa	18.03	18.46	175.6E6	133.6E6	24.168	25.313
26) A	Methoxychlor	17.60	18.97	93546682	69415401	26.884	26.275
27) B	Endrin Ketone	18.55	19.46	214.2E6	161.1E6	24.775	25.763
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

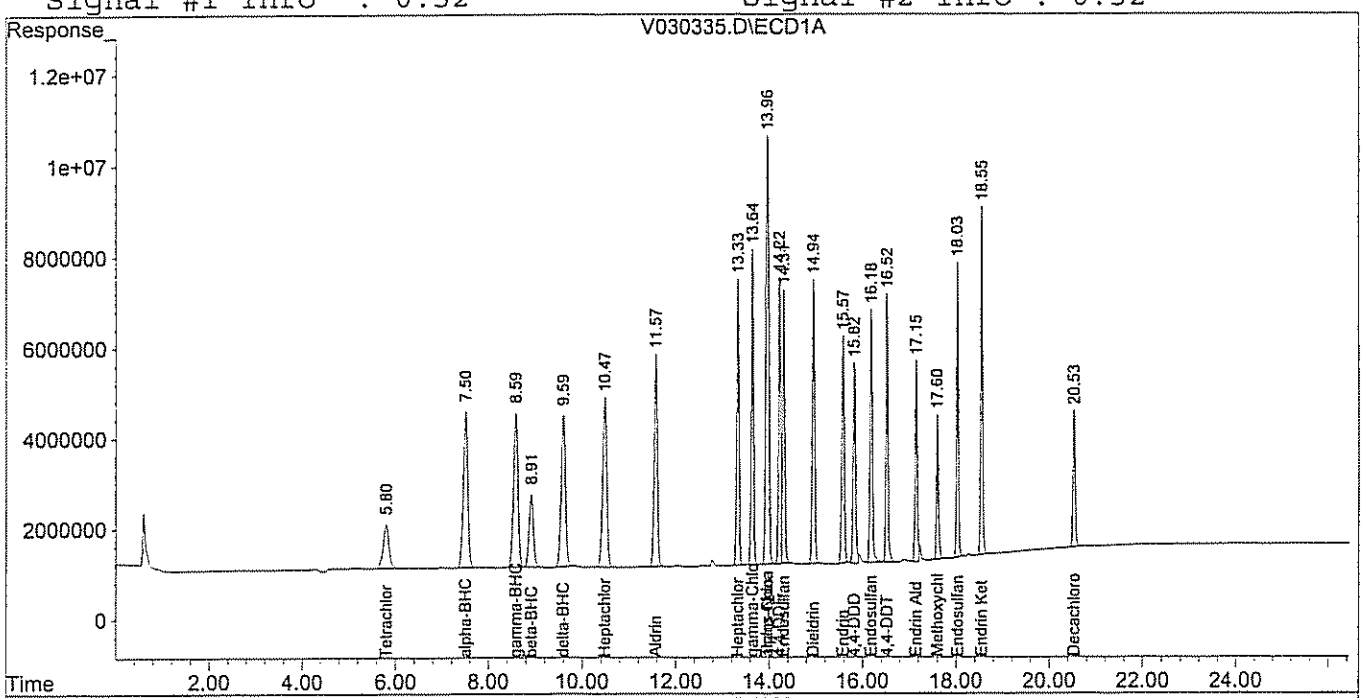
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

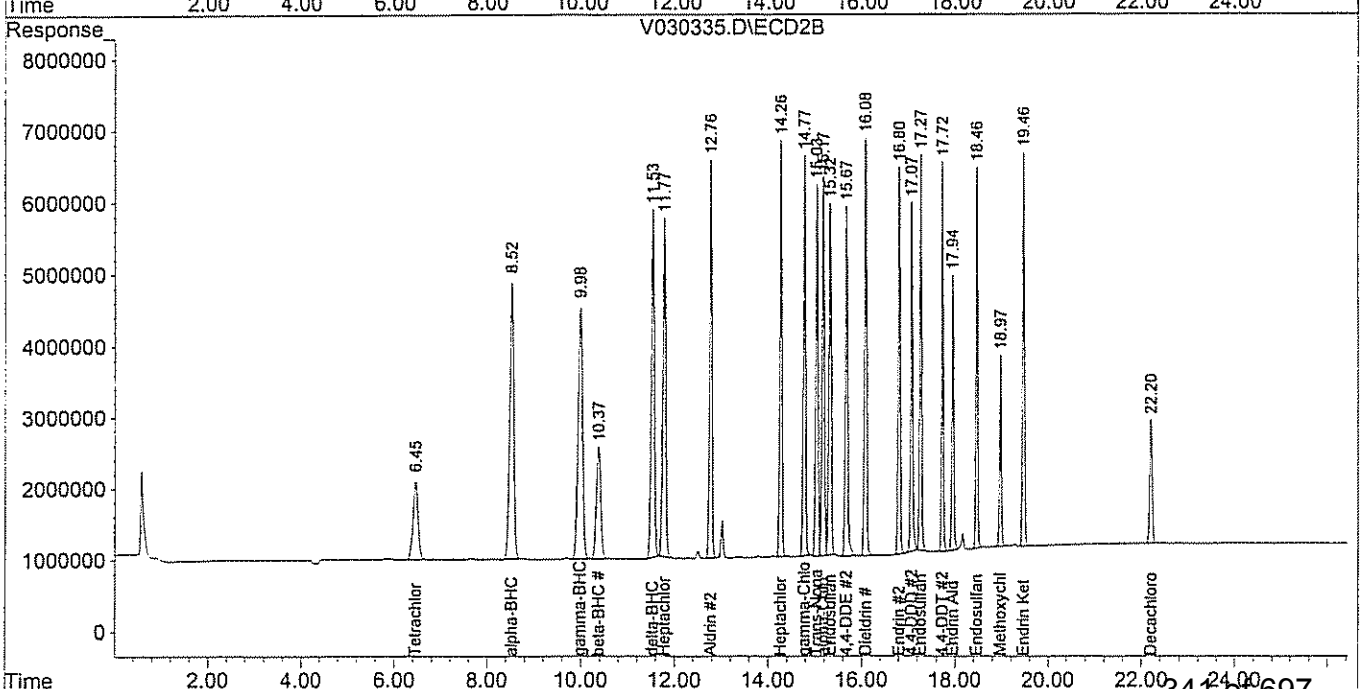
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030335.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\V\042009\V030335.D\ECD2B.CH
Acq On : 4-20-2009 16:30:22 Operator: RP
Sample : PEST-3 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:40 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030336.D\ECD1A.CH Vial: 9
Signal #2 : H:\GCDATA\V\042009\V030336.D\ECD2B.CH
Acq On : 4-20-2009 17:00:42 Operator: RP
Sample : PEST-2 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:42 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.80	6.45	16753379	17329559	2.694	2.894
Spiked Amount 20.000 Range 50 - 130 Recovery =					13.47%#	14.47%#
28) S Decachlorobiphen	20.53	22.20	21252785	13866850	2.874	2.922
Spiked Amount 20.000 Range 30 - 150 Recovery =					14.37%#	14.61%#
Target Compounds						
3) A alpha-BHC	7.50	8.52	43391731	47175673	4.388	4.902
4) MA gamma-BHC (Linda	8.58	9.98	42502720	45254604	4.599	5.100
5) MA Heptachlor	10.47	11.77	47566975	42940470	5.032	5.277
6) MB Aldrin	11.57	12.76	42143492	42511515	4.680	5.378
7) B beta-BHC	8.91	10.37	21696740	21944142	5.360	5.779
8) B delta-BHC	9.59	11.53	39598229	43703975	4.367	4.956
10) B Heptachlor Epoxi	13.33	14.26	42987290	40643458	5.047	5.467
11) A Endosulfan I	14.31	15.32	42252567	37079224	5.069m	5.441m
12) A gamma-Chlordane	13.64	14.77	48715264	39470569	5.417	5.405
13) A alpha-Chlordane	13.96	15.17	85243109	39186804	4.863	5.475m
14) B Trans-Nonachlor	13.96	15.03	85243109	38521421	4.863	5.655m
15) B 4,4-DDE	14.22	15.67	37437701	36844070	4.489m	5.294
17) MA Dieldrin	14.94	16.08	42800664	40578651	4.724	5.328
19) MA Endrin	15.58	16.81	36121766	33112002	4.716	5.291
20) B Endosulfan II	16.18	17.27	38775265	34426846	4.935	5.548
21) A 4,4-DDD	15.82	17.07	30006953	29264117	4.566m	5.251
22) MA 4,4-DDT	16.52	17.72	33536377	27813655	4.432	5.004
23) B Endrin Aldehyde	17.15	17.95	28603397	23881589	5.256m	5.772
25) B Endosulfan Sulfa	18.03	18.46	35761443	29622633	4.964	5.594
26) A Methoxychlor	17.60	18.97	13874876	15401197	3.914	5.756 #
27) B Endrin Ketone	18.55	19.46	43405413	35281675	5.031	5.599
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

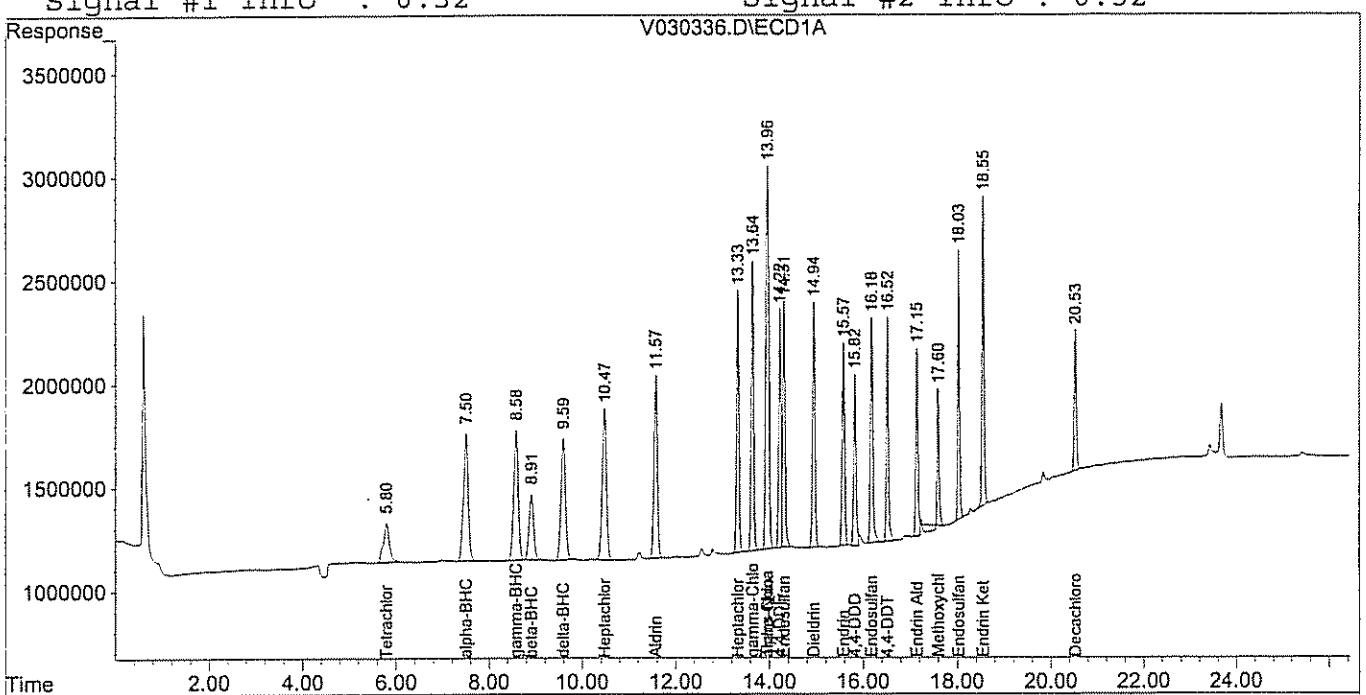
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

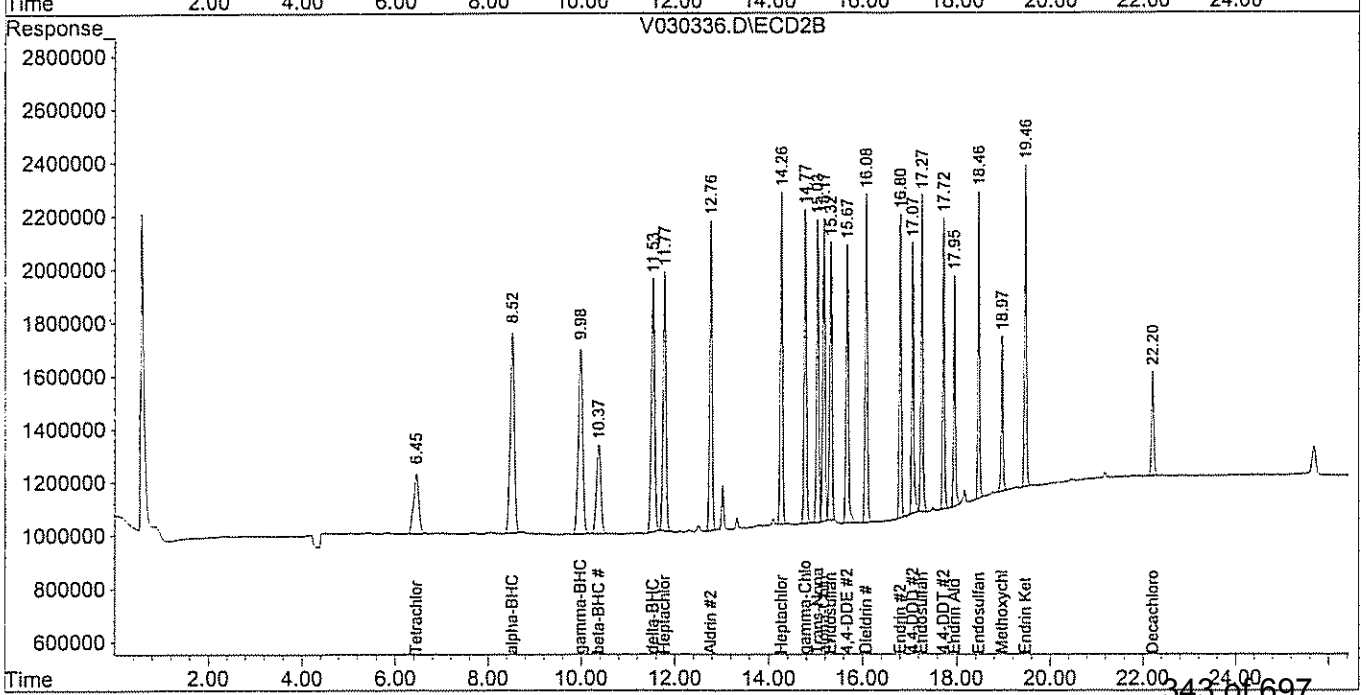
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030336.D\ECD1A.CH Vial: 9
Signal #2 : H:\GCDATA\V\042009\V030336.D\ECD2B.CH
Acq On : 4-20-2009 17:00:42 Operator: RP
Sample : PEST-2 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 7:42 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\042009\V030338.D\ECD1A.CH Vial: 11
Signal #2 : H:\GCDATA\V\042009\V030338.D\ECD2B.CH
Acq On : 4-20-2009 18:01:09 Operator: RP
Sample : PEST-ICV Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 8:39 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.79	6.44	143.5E6	140.4E6	22.717	22.737
Spiked Amount	20.000 Range 50 - 130 Recovery =					113.59%	113.69%
28) S	Decachlorobiphen	20.53	22.20	351.5E6	222.8E6	46.140	45.429
Spiked Amount	20.000 Range 30 - 150 Recovery =					230.70%#	227.15%#
	Target Compounds						
3) A	alpha-BHC	7.50	8.52	209.9E6	214.5E6	21.760	22.374
4) MA	gamma-BHC (Linda	8.58	9.98	201.5E6	202.9E6	22.157	22.777
5) MA	Heptachlor	10.47	11.77	204.0E6	182.6E6	21.552	22.197
11) A	Endosulfan I	14.31	15.32	183.7E6	160.7E6	21.973	23.168
17) MA	Dieldrin	14.94	16.08	397.5E6	339.7E6	44.369	44.021
19) MA	Endrin	15.58	16.81	342.1E6	276.1E6	45.171	43.603
21) A	4,4-DDD	15.82	17.07	291.2E6	243.7E6	45.093	43.303
22) MA	4,4-DDT	16.52	17.72	345.0E6	258.1E6	46.647	46.427
26) A	Methoxychlor	17.60	18.97	819.1E6	597.8E6	241.545	216.856
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

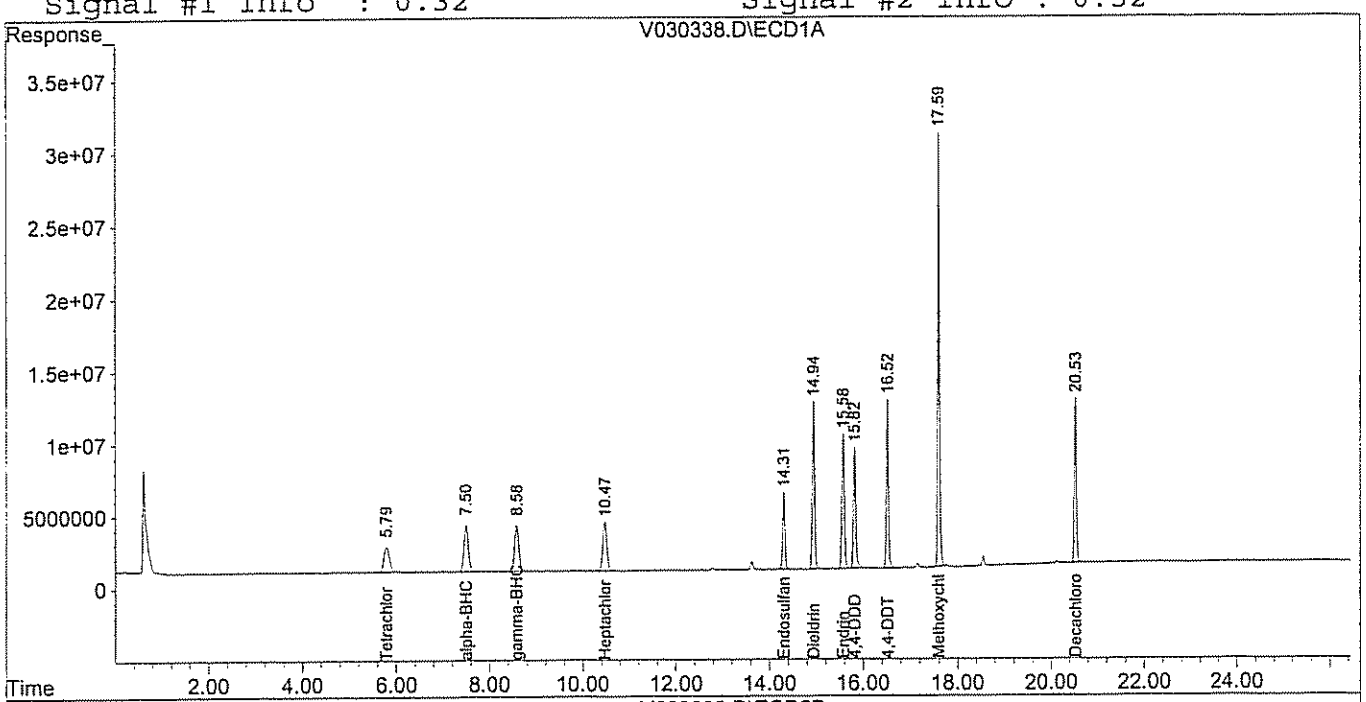
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

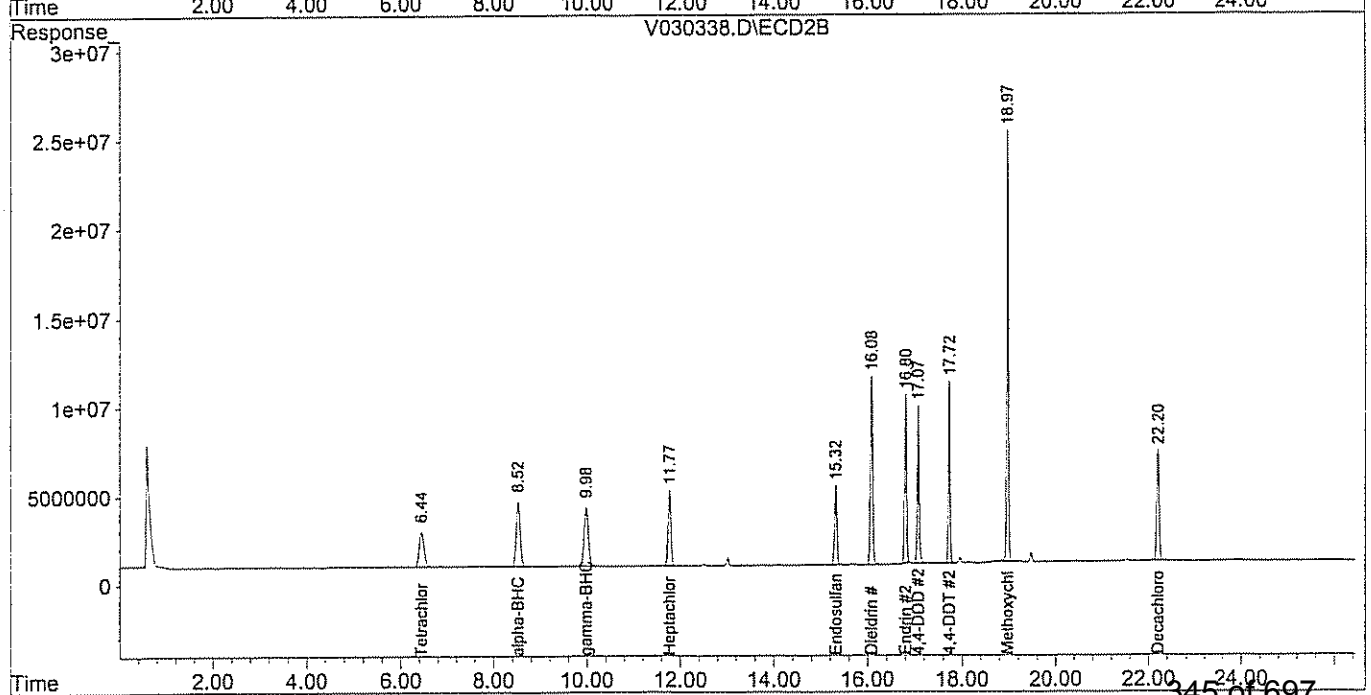
Quantitation Report

Signal #1 : H:\GCDATA\V\042009\V030338.D\ECD1A.CH Vial: 11
Signal #2 : H:\GCDATA\V\042009\V030338.D\ECD2B.CH
Acq On : 4-20-2009 18:01:09 Operator: RP
Sample : PEST-ICV Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 21 8:39 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





% BREAKDOWN	SIGNAL 1 RTx-CLP	SIGNAL 2 RTx-CLP2
ENDRIN	**8.93**	**8.92**
DDT	**0.91**	**2.44**

	RAW RESPONSE	
ENDRIN KETONE	20434722.00	16691845.00
ENDRIN ALDEHYDE	15860087.00	12847744.00
ENDRIN	370000000.00	301800000.00
DDE	954809.00	873175.00
DDD	2349470.00	5825969.00
DDT	360600000.00	267300000.00

Quantitation Report (QT Reviewed)

Data File : H:\GCDATA\V\042009\V030339.D\ECD1A.CH Vial: 12
Acq On : 4-20-2009 18:31:22 Operator: RP
Sample : EVAL MIX Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile : autoint1.e

Data File : H:\GCDATA\V\042009\V030339.D\ECD2B.CH Vial: 12
Acq On : 4-20-2009 18:31:21 Operator: RP
Sample : EVAL MIX Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Apr 21 8:40 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xy	5.80	6.45	157.4E6	153.0E6	24.925	24.771	
Spiked Amount			20.000	Range 50 - 130		Recovery =	124.63%	123.86%	
28)	S	Decachlorobiphen	20.53	22.20	180.6E6	117.0E6	23.715	23.847	
Spiked Amount			20.000	Range 30 - 150		Recovery =	118.58%	119.24%	
		Target Compounds							
15)	B	4,4-DDE	14.22	15.67	954809	873175	0.117	0.124	
19)	MA	Endrin	15.57	16.81	370.0E6	301.8E6	48.862	47.668	
21)	A	4,4-DDD	15.82	17.08	2349470	5825969	0.364	1.035	#
22)	MA	4,4-DDT	16.52	17.72	360.6E6	267.3E6	48.764	48.078	
23)	B	Endrin Aldehyde	17.15	17.95	15860087	12847744	2.885	3.012	
27)	B	Endrin Ketone	18.55	19.46	20434722	16691845	2.365	2.587	
Sum Toxaphene					0	0	N.D.	N.D.	
Average Toxaphene							0.000	0.000	
Sum Chlordane					0	0	N.D.	N.D.	
Average Chlordane							0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

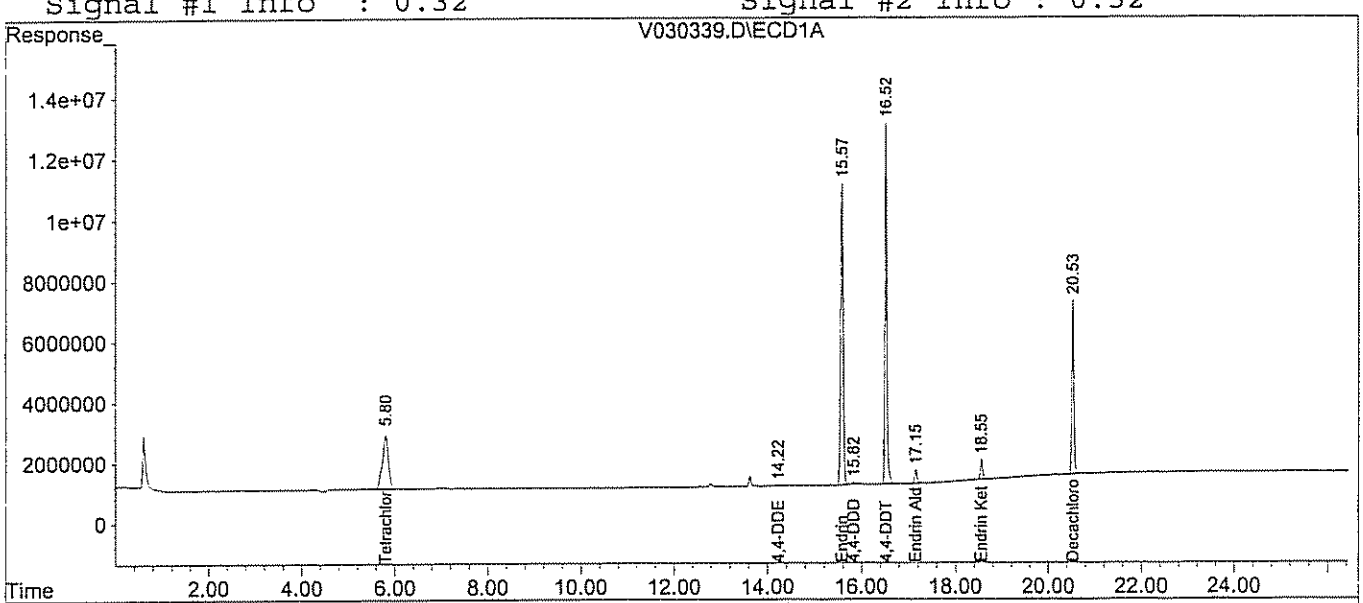
Quantitation Report

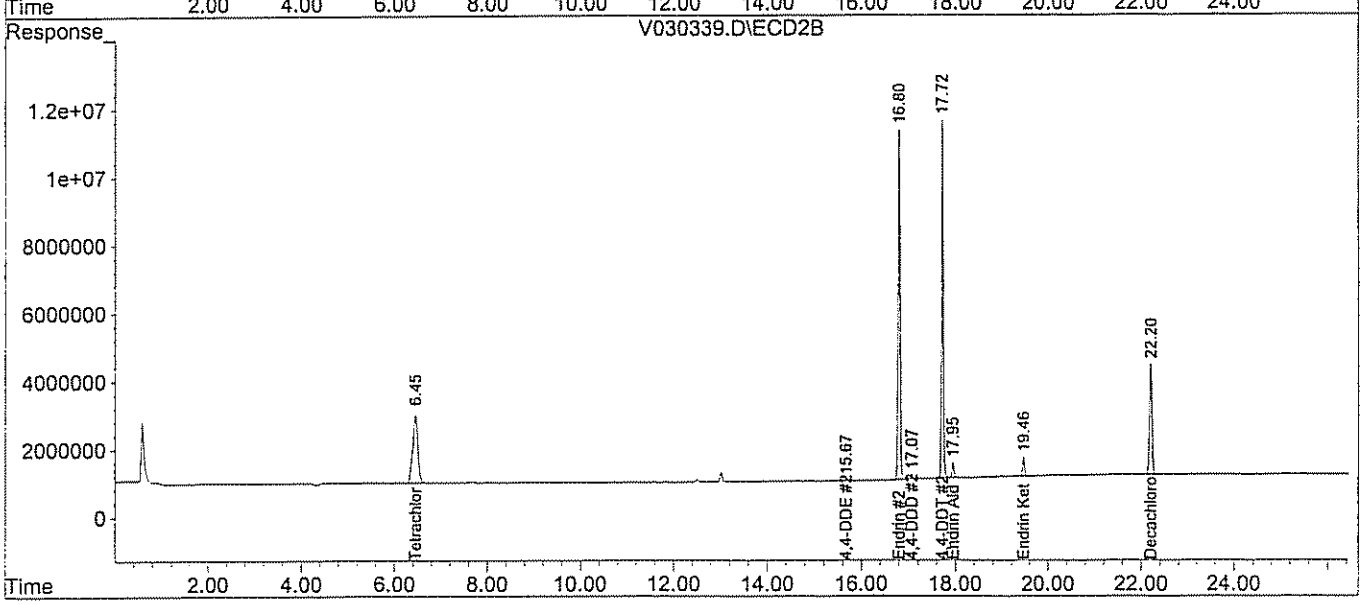
Data File : H:\GCDATA\V\042009\V030339.D\ECD1A.CH Vial: 12
Acq On : 4-20-2009 18:31:22 Operator: RP
Sample : EVAL MIX Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile : autoint1.e

Data File : H:\GCDATA\V\042009\V030339.D\ECD2B.CH Vial: 12
Acq On : 4-20-2009 18:31:21 Operator: RP
Sample : EVAL MIX Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile : autoint2.e
Quant Time: Apr 21 8:40 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





% BREAKDOWN	SIGNAL 1 RTx-CLP	SIGNAL 2 RTx-CLP2
ENDRIN	**8.38**	**7.29**
DDT	**3.92**	**4.13**

	RAW RESPONSE	
ENDRIN KETONE	17603149.00	14805524.00
ENDRIN ALDEHYDE	7471208.00	6107272.00
ENDRIN	274100000.00	266100000.00

DDE	531593.00	498965.00
DDD	9670955.00	8712652.00
DDT	250300000.00	213700000.00

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030410.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\V\051309\V030410.D\ECD2B.CH
Acq On : 5-13-2009 08:22:02 Operator: RP
Sample : EVAL MIX Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 8:55 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.73f	6.36f	152.6E6	156.1E6	24.157m	25.282m
Spiked Amount 20.000 Range 50 - 130 Recovery =					120.79%	126.41%
28) S Decachlorobiphen	20.54	22.21	148.4E6	102.9E6	19.488	20.977
Spiked Amount 20.000 Range 30 - 150 Recovery =					97.44%	104.89%
Target Compounds						
15) B 4,4-DDE	14.24	15.68	531593	498965	0.065	0.071
19) MA Endrin	15.60	16.81	274.1E6	266.1E6	36.190	42.031
21) A 4,4-DDD	15.85	17.08	9670955	8712652	1.498	1.548
22) MA 4,4-DDT	16.54	17.73	250.3E6	213.7E6	33.853	38.446
23) B Endrin Aldehyde	17.18	17.95	7471208	6107272	1.359	1.432
27) B Endrin Ketone	18.56	19.47	17603149	14805524	2.038	2.295
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

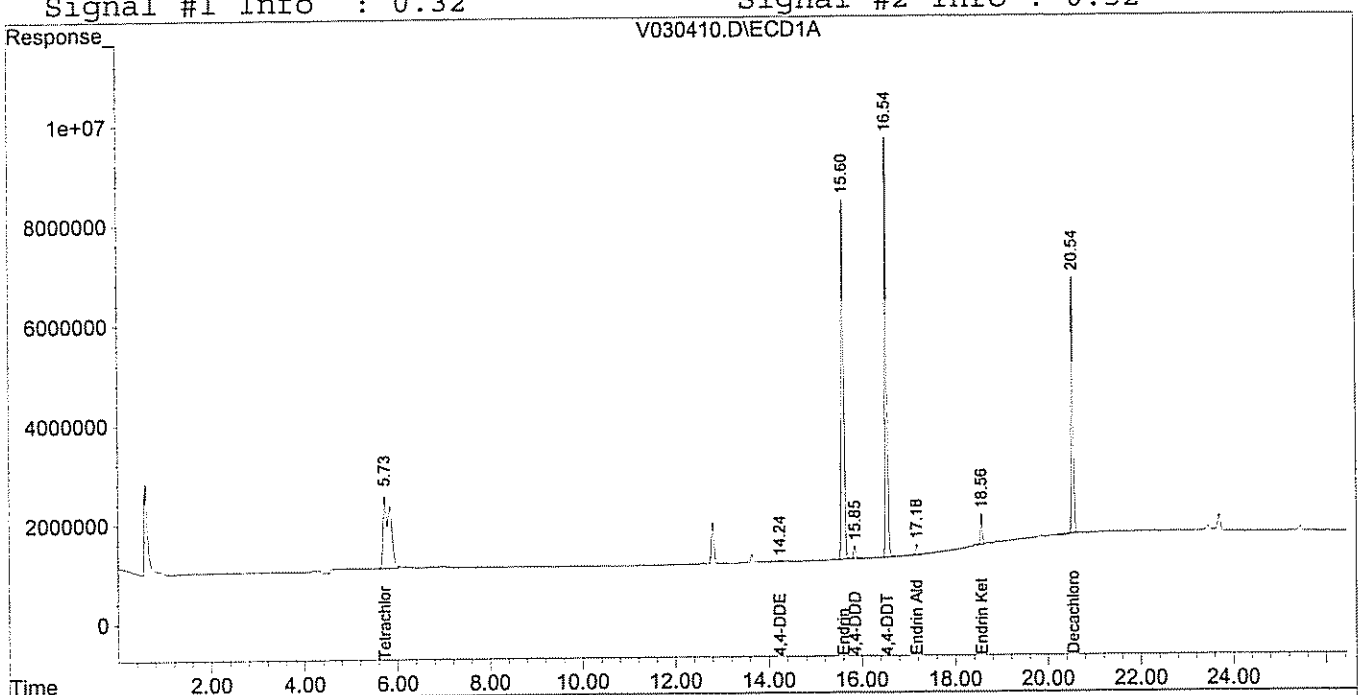
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

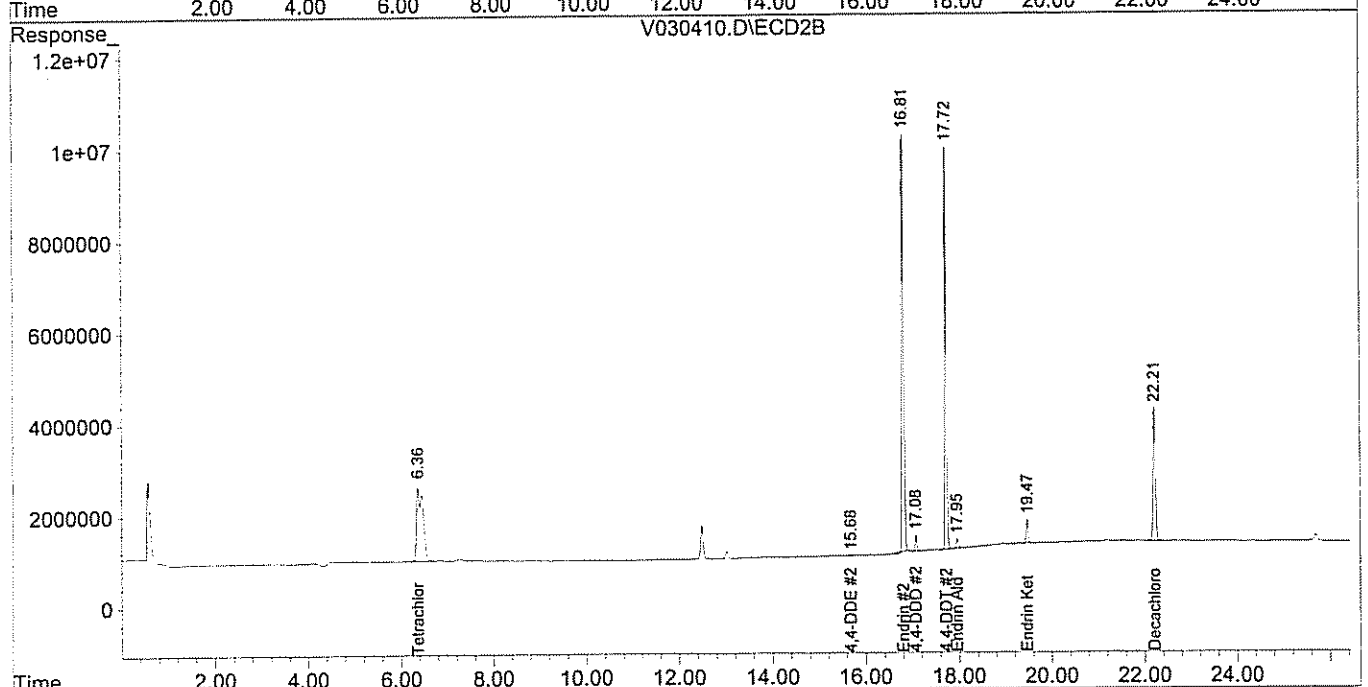
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030410.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\V\051309\V030410.D\ECD2B.CH
Acq On : 5-13-2009 08:22:02 Operator: RP
Sample : EVAL MIX Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 8:55 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\V\051309\V030411.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\V\051309\V030411.D\ECD2B.CH
Acq On : 5-13-2009 08:52:13 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator)
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	6.316	6.013 E6	4.8	0#	0.00
3	A	alpha-BHC	9.646	9.414 E6	2.4	0#	0.00
4	MA	gamma-BHC (Lindane)	9.094	8.768 E6	3.6	0#	0.00
5	MA	Heptachlor	9.466	8.323 E6	12.1	0#	0.00
6	MB	Aldrin	8.889	8.728 E6	1.8	0#	0.00
7	B	beta-BHC	4.106	3.956 E6	3.7	0#	0.00
8	B	delta-BHC	8.839	8.516 E6	3.7	0#	0.00
10	B	Heptachlor Epoxide	8.534	8.209 E6	3.8	0#	0.00
11	A	Endosulfan I	8.358	8.453 E6	-1.1	0#	0.00
12	A	gamma-Chlordane	9.143	8.640 E6	5.5	0#	0.00
13	A	alpha-Chlordane	17.433	17.011 E6	2.4	0#	0.00
14	B	Trans-Nonachlor	17.433	17.011 E6	2.4	0#	0.00
15	B	4,4-DDE	8.170	7.947 E6	2.7	0#	0.00
17	MA	Dieldrin	8.960	8.518 E6	4.9	0#	0.00
19	MA	Endrin	7.573	6.930 E6	8.5	0#	0.00
20	B	Endosulfan II	7.837	7.414 E6	5.4	0#	0.00
21	A	4,4-DDD	6.458	6.039 E6	6.5	0#	0.01
22	MA	4,4-DDT	7.395	6.345 E6	14.2	0#	0.00
23	B	Endrin Aldehyde	5.498	5.018 E6	8.7	0#	0.00
25	B	Endosulfan Sulfate	7.193	6.713 E6	6.7	0#	0.00
26	A	Methoxychlor	3.391	3.038 E6	10.4	0#	0.00
27	B	Endrin Ketone	8.639	7.790 E6	9.8	0#	0.00
28	S	Decachlorobiphenyl	7.617	6.719 E6	11.8	0#	0.00
		Signal #2					
1	S	Tetrachloro-m-xylene	6.176	6.114 E6	1.0	0#	0.00
3	A	alpha-BHC	9.586	9.458 E6	1.3	0#	0.00
4	MA	gamma-BHC (Lindane)	8.909	8.709 E6	2.2	0#	0.00
5	MA	Heptachlor	8.227	7.511 E6	8.7	0#	0.00
6	MB	Aldrin	8.024	7.715 E6	3.9	0#	0.00
7	B	beta-BHC	3.915	3.829 E6	2.2	0#	0.00
8	B	delta-BHC	8.803	8.403 E6	4.5	0#	0.00
10	B	Heptachlor Epoxide	7.573	7.207 E6	4.8	0#	0.00
11	A	Endosulfan I	6.935	6.657 E6	4.0	0#	0.00
12	A	gamma-Chlordane	7.421	7.048 E6	5.0	0#	0.00
13	A	alpha-Chlordane	7.294	6.953 E6	4.7	0#	0.00
14	B	Trans-Nonachlor	6.990	6.511 E6	6.9	0#	0.00
15	B	4,4-DDE	7.041	6.781 E6	3.7	0#	0.00
17	MA	Dieldrin	7.717	7.336 E6	4.9	0#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\V\051309\V030411.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\V\051309\V030411.D\ECD2B.CH
Acq On : 5-13-2009 08:52:13 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator)
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
19	MA	Endrin	6.331	5.802 E6	8.4	0#	0.00
20	B	Endosulfan II	6.341	5.808 E6	8.4	0#	0.00
21	A	4,4-DDD	5.629	5.275 E6	6.3	0#	0.00
22	MA	4,4-DDT	5.559	4.634 E6	16.6#	0#	0.00
23	B	Endrin Aldehyde	4.265	3.886 E6	8.9	0#	0.00
25	B	Endosulfan Sulfate	5.421	4.849 E6	10.6	0#	0.00
26	A	Methoxychlor	2.757	2.242 E6	18.7#	0#	0.00
27	B	Endrin Ketone	6.452	5.622 E6	12.9	0#	0.00
28	S	Decachlorobiphenyl	4.905	4.436 E6	9.6	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
V030411.D 042009V.M Thu May 14 11:19:41 2009 1 Page 2

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030411.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\V\051309\V030411.D\ECD2B.CH
Acq On : 5-13-2009 08:52:13 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 9:53 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.80	6.44	150.3E6	152.9E6	23.800m	24.750
Spiked Amount 20.000 Range 50 - 130 Recovery =					119.00%	123.75%
28) S Decachlorobiphen	20.54	22.21	168.0E6	110.9E6	22.052	22.606
Spiked Amount 20.000 Range 30 - 150 Recovery =					110.26%	113.03%
Target Compounds						
3) A alpha-BHC	7.51	8.52	470.7E6	472.9E6	48.796	49.332
4) MA gamma-BHC (Linda	8.59	9.98	438.4E6	435.5E6	48.209	48.877
5) MA Heptachlor	10.48	11.77	416.1E6	375.5E6	43.963	45.646
6) MB Aldrin	11.58	12.77	436.4E6	385.7E6	49.092	48.073
7) B beta-BHC	8.91	10.36	197.8E6	191.5E6	48.176	48.903
8) B delta-BHC	9.59	11.52	425.8E6	420.1E6	48.175	47.724
10) B Heptachlor Epoxi	13.34	14.27	410.5E6	360.3E6	48.096	47.581
11) A Endosulfan I	14.31	15.32	422.6E6	332.8E6	50.565m	47.997m
12) A gamma-Chlordane	13.65	14.77	432.0E6	352.4E6	47.252	47.488
13) A alpha-Chlordane	13.96	15.17	850.5E6	347.6E6	48.787	47.662m
14) B Trans-Nonachlor	13.96	15.04	850.5E6	325.5E6	48.787	46.572m
15) B 4,4-DDE	14.22	15.67	397.3E6	339.1E6	48.638m	48.153
17) MA Dieldrin	14.95	16.08	425.9E6	366.8E6	47.531	47.531
19) MA Endrin	15.58	16.81	346.5E6	290.1E6	45.754	45.816
20) B Endosulfan II	16.19	17.27	370.7E6	290.4E6	47.303	45.793
21) A 4,4-DDD	15.83	17.07	302.0E6	263.8E6	46.759	46.858
22) MA 4,4-DDT	16.53	17.72	317.2E6	231.7E6	42.899	41.677
23) B Endrin Aldehyde	17.16	17.95	250.9E6	194.3E6	45.639m	45.552
25) B Endosulfan Sulfa	18.04	18.46	335.7E6	242.5E6	46.661	44.725
26) A Methoxychlor	17.60	18.97	151.9E6	112.1E6	44.789m	40.666m
27) B Endrin Ketone	18.55	19.46	389.5E6	281.1E6	45.086	43.568
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

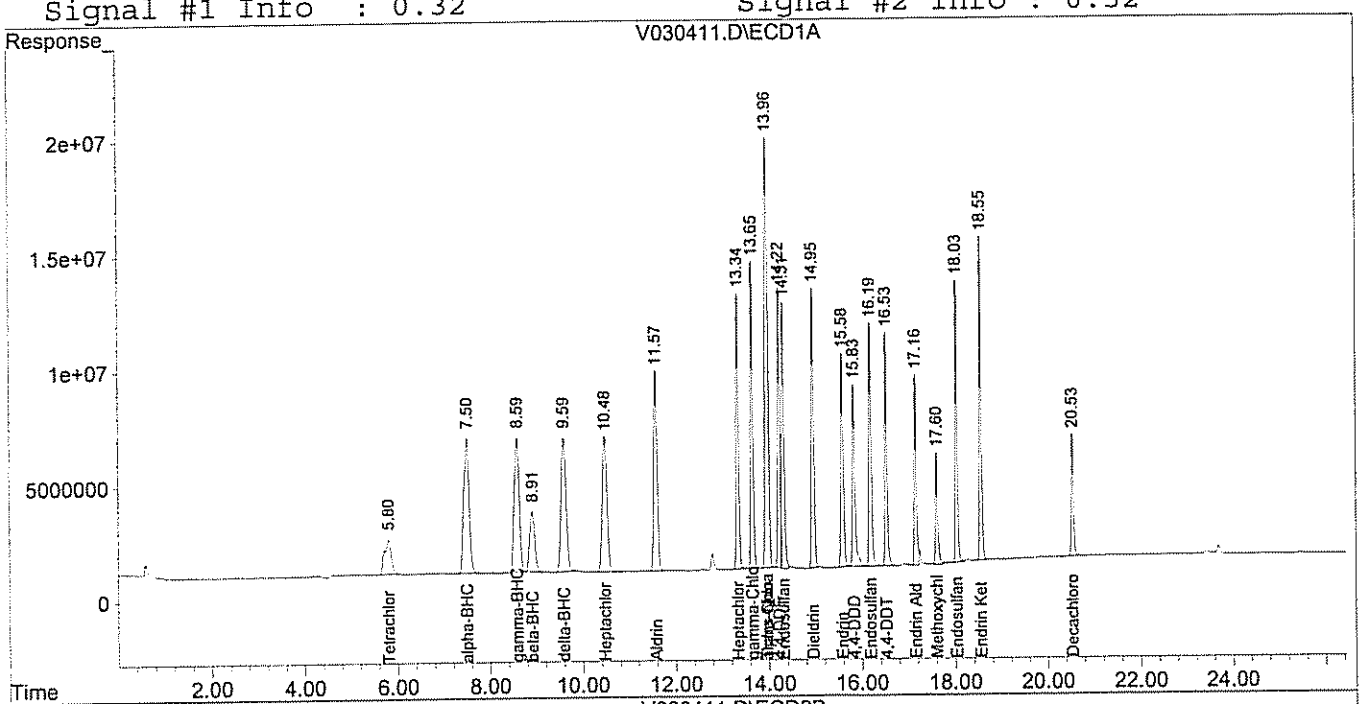
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

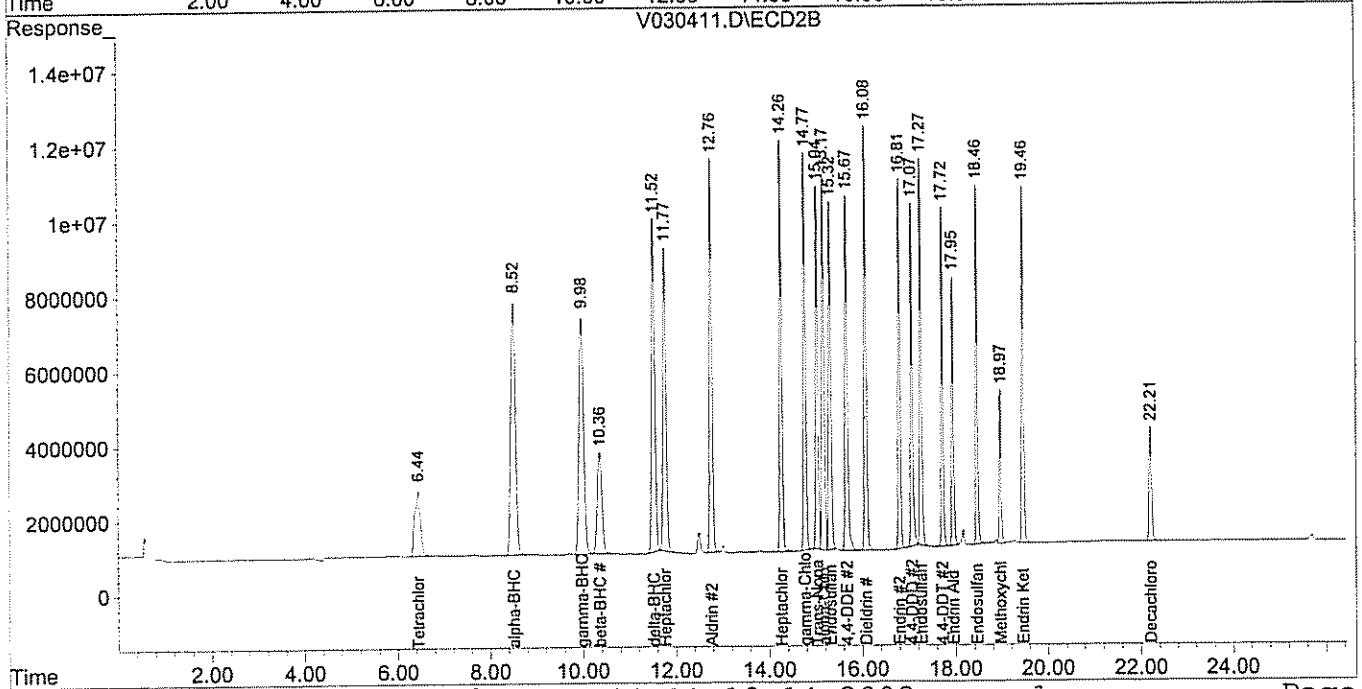
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030411.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\V\051309\V030411.D\ECD2B.CH
Acq On : 5-13-2009 08:52:13 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 9:53 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\V\051309\V030423.D\ECD1A.CH Vial: 14
Signal #2 : H:\GCDATA\V\051309\V030423.D\ECD2B.CH
Acq On : 5-13-2009 14:54:58 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator)
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 09:39:41 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	6.316	5.724 E6	9.4	0#	0.05
3	A	alpha-BHC	9.646	8.838 E6	8.4	0#	0.04
4	MA	gamma-BHC (Lindane)	9.094	8.266 E6	9.1	0#	0.04
5	MA	Heptachlor	9.466	8.398 E6	11.3	0#	0.03
6	MB	Aldrin	8.889	8.102 E6	8.9	0#	0.02
7	B	beta-BHC	4.106	3.678 E6	10.4	0#	0.03
8	B	delta-BHC	8.839	8.337 E6	5.7	0#	0.03
10	B	Heptachlor Epoxide	8.534	7.814 E6	8.4	0#	0.01
11	A	Endosulfan I	8.358	7.785 E6	6.9	0#	0.01
12	A	gamma-Chlordane	9.143	8.003 E6	12.5	0#	0.01
13	A	alpha-Chlordane	17.433	15.889 E6	8.9	0#	0.00
14	B	Trans-Nonachlor	17.433	15.889 E6	8.9	0#	0.00
15	B	4,4-DDE	8.170	7.316 E6	10.5	0#	0.01
17	MA	Dieldrin	8.960	8.187 E6	8.6	0#	0.01
19	MA	Endrin	7.573	7.125 E6	5.9	0#	0.01
20	B	Endosulfan II	7.837	7.037 E6	10.2	0#	0.00
21	A	4,4-DDD	6.458	6.126 E6	5.1	0#	0.01
22	MA	4,4-DDT	7.395	6.387 E6	13.6	0#	0.00
23	B	Endrin Aldehyde	5.498	4.862 E6	11.6	0#	0.00
25	B	Endosulfan Sulfate	7.193	6.479 E6	9.9	0#	0.00
26	A	Methoxychlor	3.391	3.053 E6	10.0	0#	0.00
27	B	Endrin Ketone	8.639	7.729 E6	10.5	0#	0.00
28	S	Decachlorobiphenyl	7.617	6.563 E6	13.8	0#	0.00
		Signal #2					
1	S	Tetrachloro-m-xylene	6.176	6.194 E6	-0.3	0#	0.04
3	A	alpha-BHC	9.586	9.849 E6	-2.7	0#	0.03
4	MA	gamma-BHC (Lindane)	8.909	9.065 E6	-1.8	0#	0.02
5	MA	Heptachlor	8.227	8.113 E6	1.4	0#	0.01
6	MB	Aldrin	8.024	7.939 E6	1.1	0#	0.01
7	B	beta-BHC	3.915	3.924 E6	-0.2	0#	0.02
8	B	delta-BHC	8.803	8.922 E6	-1.4	0#	0.01
10	B	Heptachlor Epoxide	7.573	7.431 E6	1.9	0#	0.00
11	A	Endosulfan I	6.935	6.812 E6	1.8	0#	0.00
12	A	gamma-Chlordane	7.421	7.343 E6	1.1	0#	0.00
13	A	alpha-Chlordane	7.294	7.277 E6	0.2	0#	0.00
14	B	Trans-Nonachlor	6.990	6.822 E6	2.4	0#	0.00
15	B	4,4-DDE	7.041	7.047 E6	-0.1	0#	0.00
17	MA	Dieldrin	7.717	7.611 E6	1.4	0#	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\V\051309\V030423.D\ECD1A.CH Vial: 14
Signal #2 : H:\GCDATA\V\051309\V030423.D\ECD2B.CH
Acq On : 5-13-2009 14:54:58 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator)
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 09:39:41 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
19	MA	Endrin	6.331	6.344 E6	-0.2	0#	0.00
20	B	Endosulfan II	6.341	6.171 E6	2.7	0#	0.00
21	A	4,4-DDD	5.629	5.653 E6	-0.4	0#	0.00
22	MA	4,4-DDT	5.559	5.118 E6	7.9	0#	0.00
23	B	Endrin Aldehyde	4.265	4.086 E6	4.2	0#	0.00
25	B	Endosulfan Sulfate	5.421	5.214 E6	3.8	0#	0.00
26	A	Methoxychlor	2.757	2.482 E6	10.0	0#	0.00
27	B	Endrin Ketone	6.452	6.243 E6	3.2	0#	0.00
28	S	Decachlorobiphenyl	4.905	4.651 E6	5.2	0#	0.00

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030423.D\ECD1A.CH Vial: 14
Signal #2 : H:\GCDATA\V\051309\V030423.D\ECD2B.CH
Acq On : 5-13-2009 14:54:58 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 15:21 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.84f	6.48f	143.1E6	154.9E6	22.657m	25.074
Spiked Amount	20.000 Range	50 - 130	Recovery	=		113.29%	125.37%
28) S	Decachlorobiphen	20.53	22.21	164.1E6	116.3E6	21.541	23.705
Spiked Amount	20.000 Range	30 - 150	Recovery	=		107.71%	118.53%
	Target Compounds						
3) A	alpha-BHC	7.53f	8.54f	441.9E6	492.4E6	45.811	51.369
4) MA	gamma-BHC (Linda	8.62f	10.00	413.3E6	453.2E6	45.450	50.873
5) MA	Heptachlor	10.50f	11.78	419.9E6	405.7E6	44.362	49.305
6) MB	Aldrin	11.59	12.78	405.1E6	397.0E6	45.572	49.472
7) B	beta-BHC	8.94f	10.39	183.9E6	196.2E6	44.788	50.108
8) B	delta-BHC	9.62f	11.54	416.9E6	446.1E6	47.164	50.676
10) B	Heptachlor Epoxi	13.34	14.27	390.7E6	371.5E6	45.781	49.061
11) A	Endosulfan I	14.32	15.32	389.2E6	340.6E6	46.570m	49.115m
12) A	gamma-Chlordane	13.65	14.78	400.2E6	367.1E6	43.771	49.475
13) A	alpha-Chlordane	13.97	15.18	794.5E6	363.9E6	45.572	49.886m
14) B	Trans-Nonachlor	13.97	15.04	794.5E6	341.1E6	45.572	48.798m
15) B	4,4-DDE	14.23	15.67	365.8E6	352.3E6	44.774m	50.037m
17) MA	Dieldrin	14.95	16.08	409.3E6	380.5E6	45.684	49.313
19) MA	Endrin	15.59	16.81	356.2E6	317.2E6	47.043	50.101
20) B	Endosulfan II	16.19	17.27	351.9E6	308.6E6	44.897	48.660
21) A	4,4-DDD	15.83	17.08	306.3E6	282.6E6	47.428	50.214
22) MA	4,4-DDT	16.53	17.72	319.4E6	255.9E6	43.184m	46.029
23) B	Endrin Aldehyde	17.16	17.95	243.1E6	204.3E6	44.216m	47.893
25) B	Endosulfan Sulfa	18.04	18.46	324.0E6	260.7E6	45.035	48.091
26) A	Methoxychlor	17.60	18.97	152.6E6	124.1E6	45.009	45.016
27) B	Endrin Ketone	18.55	19.46	386.5E6	312.2E6	44.736	48.380
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

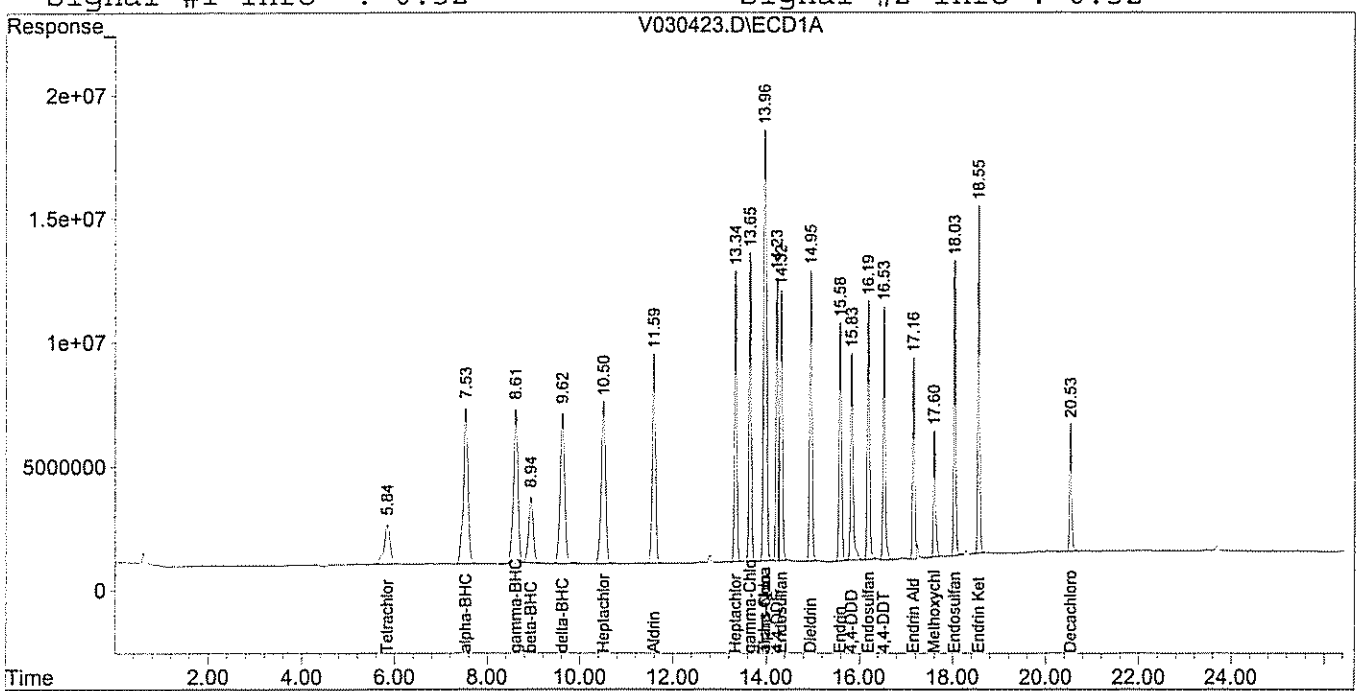
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

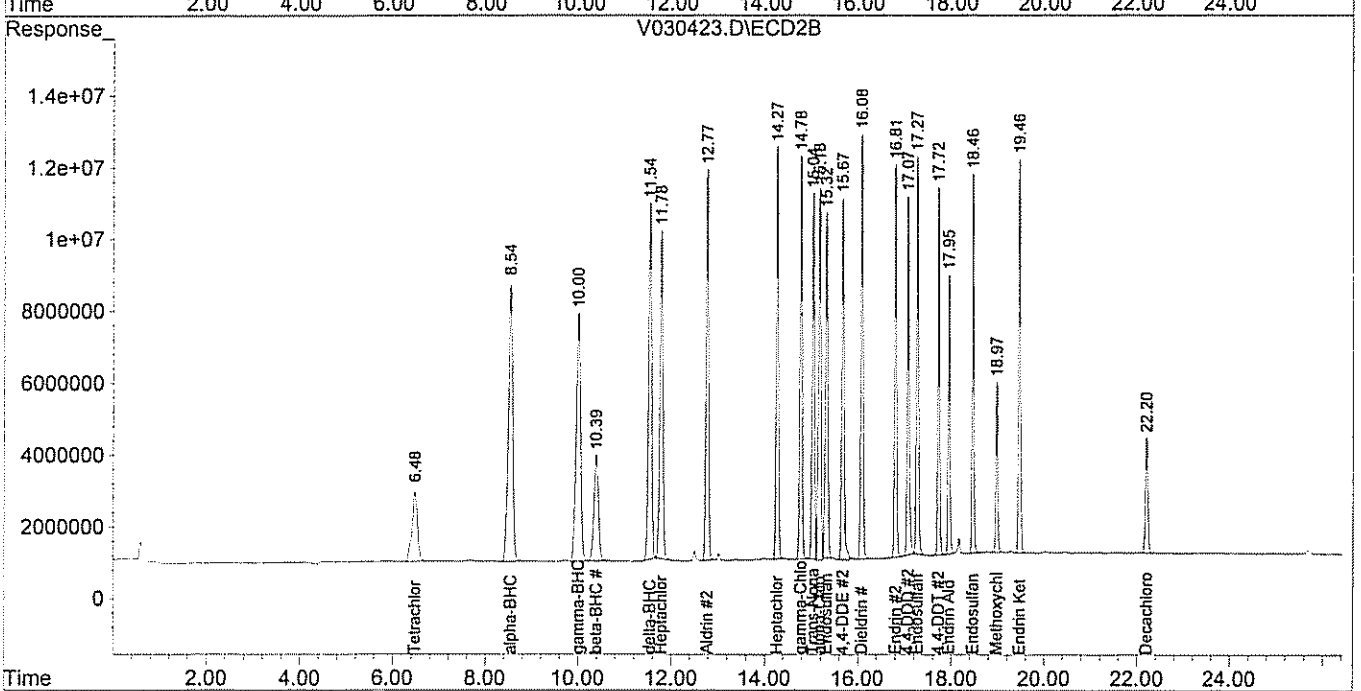
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030423.D\ECD1A.CH Vial: 14
Signal #2 : H:\GCDATA\V\051309\V030423.D\ECD2B.CH
Acq On : 5-13-2009 14:54:58 Operator: RP
Sample : PEST-4 Inst : GC-V
Misc : 8081 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 15:21 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet
7. Retention Time Windows

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109737

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109737
Sample Volume :	1000	Lab File ID :	V030414.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030414.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\V\051309\V030414.D\ECD2B.CH
Acq On : 5-13-2009 10:22:56 Operator: RP
Sample : BLK109737 Inst : GC-V
Misc : BLK109737 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:29 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.82f	6.46	108.4E6	108.2E6	17.155m	17.519
Spiked Amount 20.000 Range 50 - 130 Recovery =					85.78%	87.59%
28) S Decachlorobiphen	20.53	22.21	79725912	53041358	10.467	10.813
Spiked Amount 20.000 Range 30 - 150 Recovery =					52.34%	54.07%
Target Compounds						
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

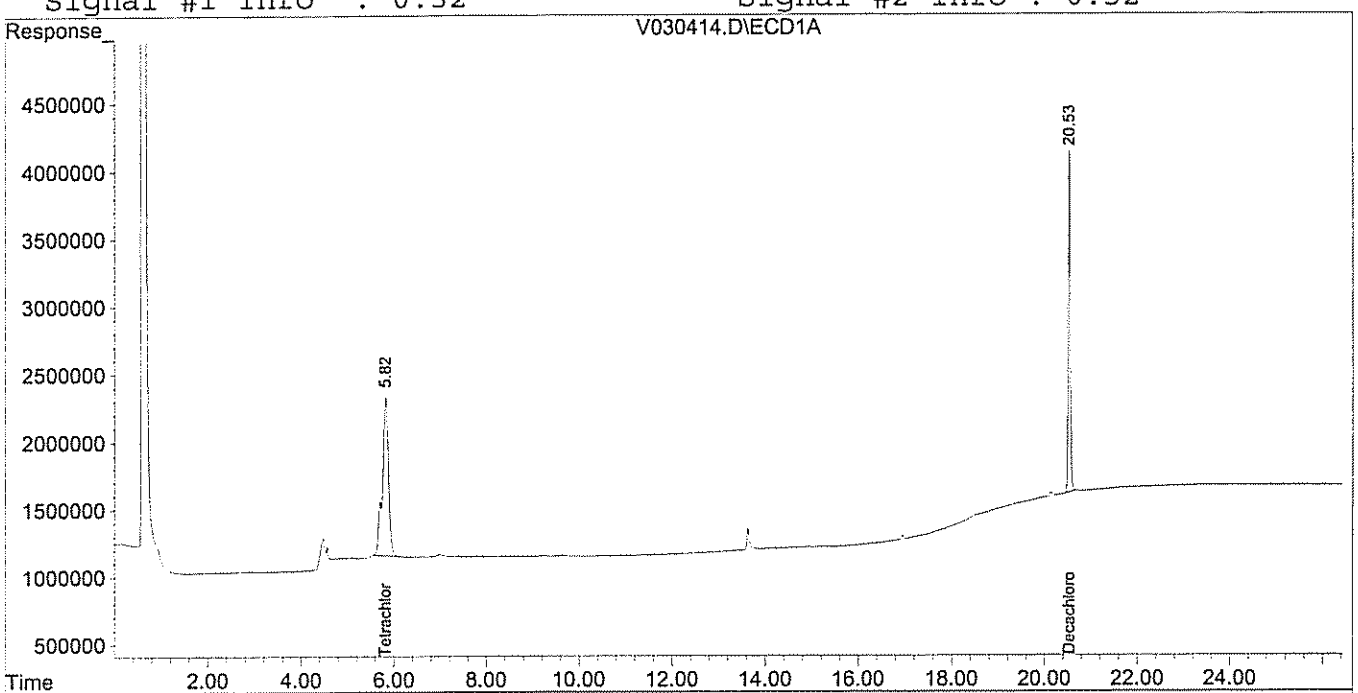
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

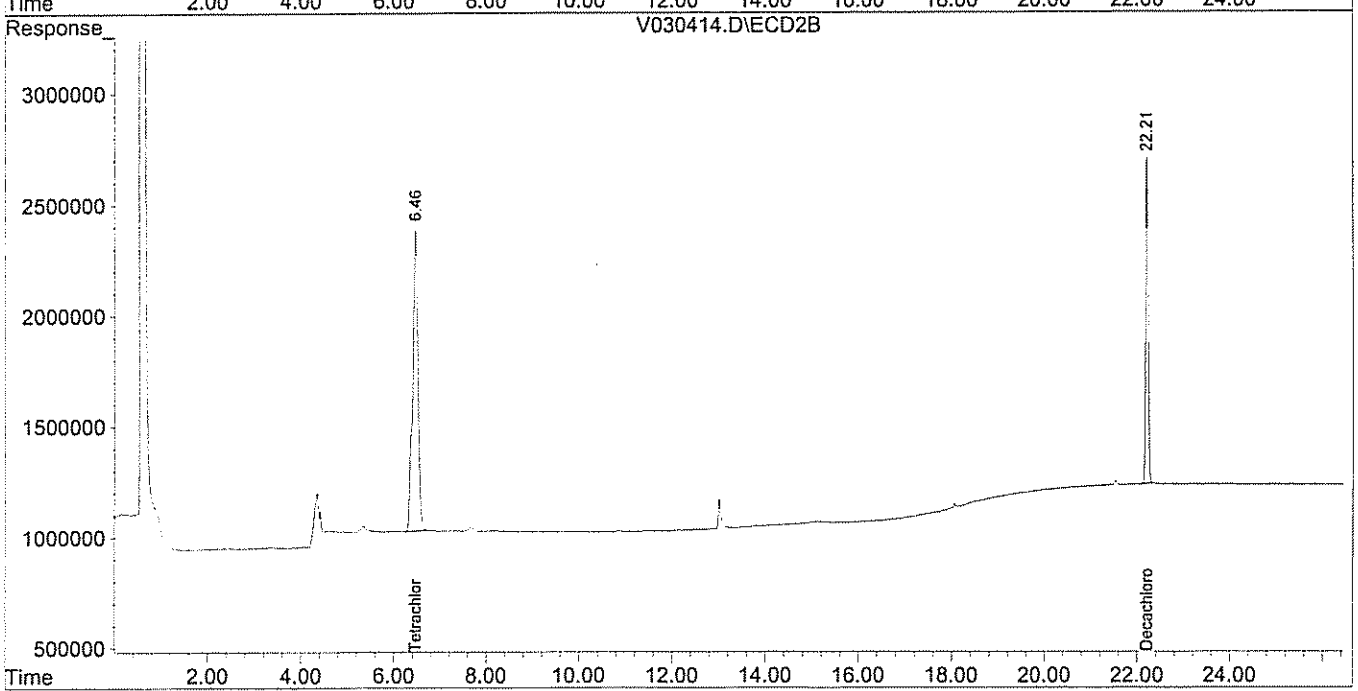
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030414.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\V\051309\V030414.D\ECD2B.CH
Acq On : 5-13-2009 10:22:56 Operator: RP
Sample : BLK109737 Inst : GC-V
Misc : BLK109737 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:29 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-17GW03-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-001-007-1/6MS
Sample Volume :	1000	Lab File ID :	V030419.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.57	
72-55-9	4,4-DDE	0.51	
50-29-3	4,4-DDT	0.47	
309-00-2	Aldrin	0.53	
319-84-6	Alpha-BHC	0.56	
5103-71-9	Alpha-Chlordane	0.55	
319-85-7	Beta-BHC	0.62	
319-86-8	Delta-BHC	0.48	
60-57-1	Dieldrin	0.56	
959-98-8	Endosulfan I	0.54	
33213-65-9	Endosulfan II	0.53	
1031-07-8	Endosulfan Sulfate	0.51	
72-20-8	Endrin	0.59	
7421-93-4	Endrin Aldehyde	0.50	
53494-70-5	Endrin Ketone	0.53	
58-89-9	Gamma-BHC (Lindane)	0.58	
5103-74-2	Gamma-Chlordane	0.55	
76-44-8	Heptachlor	0.55	
1024-57-3	Heptachlor Epoxide	0.58	
72-43-5	Methoxychlor	0.56	
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030419.D\ECD1A.CH Vial: 10
Signal #2 : H:\GCDATA\V\051309\V030419.D\ECD2B.CH
Acq On : 5-13-2009 12:54:00 Operator: RP
Sample : 905068-001-007-1/6MS Inst : GC-V
Misc : OUI-17GW03-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:38 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.84f	6.47f	151.1E6	125.2E6	23.931m	20.269m
Spiked Amount	20.000 Range 50 - 130 Recovery =					119.66%	101.35%
28) S	Decachlorobiphen	20.53	22.20	37654210	24246225	4.943m	4.943
Spiked Amount	20.000 Range 30 - 150 Recovery =					24.72%#	24.72%#
	Target Compounds						
3) A	alpha-BHC	7.53f	8.54	520.7E6	538.9E6	53.979	56.217
4) MA	gamma-BHC (Linda	8.61f	10.00	496.2E6	515.3E6	54.561	57.835
5) MA	Heptachlor	10.50f	11.78	485.0E6	453.0E6	51.243	55.061
6) MB	Aldrin	11.59	12.78	463.1E6	425.6E6	52.092	53.042
7) B	beta-BHC	8.94f	10.39	221.9E6	243.6E6	54.040	62.210
8) B	delta-BHC	9.62f	11.54	410.7E6	420.4E6	46.467m	47.750
10) B	Heptachlor Epoxi	13.34	14.27	494.9E6	422.6E6	57.995	55.804m
11) A	Endosulfan I	14.32	15.32	436.8E6	374.0E6	52.264m	53.926m
12) A	gamma-Chlordane	13.66	14.78	477.0E6	409.2E6	52.168	55.145
13) A	alpha-Chlordane	13.97	15.18	933.6E6	398.3E6	53.551	54.608m
14) B	Trans-Nonachlor	13.97	15.04	933.6E6	374.7E6	53.551	53.599m
15) B	4,4-DDE	14.23	15.67	407.5E6	359.6E6	49.877m	51.069
17) MA	Dieldrin	14.95	16.08	498.0E6	427.4E6	55.576	55.385
19) MA	Endrin	15.59	16.81	449.1E6	368.6E6	59.310	58.226
20) B	Endosulfan II	16.19	17.27	406.7E6	335.1E6	51.896	52.852
21) A	4,4-DDD	15.83	17.07	356.1E6	322.4E6	55.147	57.271
22) MA	4,4-DDT	16.53	17.72	339.1E6	261.0E6	45.849	46.954
23) B	Endrin Aldehyde	17.16	17.95	272.1E6	214.9E6	49.497m	50.376
25) B	Endosulfan Sulfa	18.03	18.46	364.6E6	278.9E6	50.679	51.445
26) A	Methoxychlor	17.60	18.97	191.2E6	144.5E6	56.388m	52.404
27) B	Endrin Ketone	18.55	19.46	452.1E6	342.2E6	52.331	53.029
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

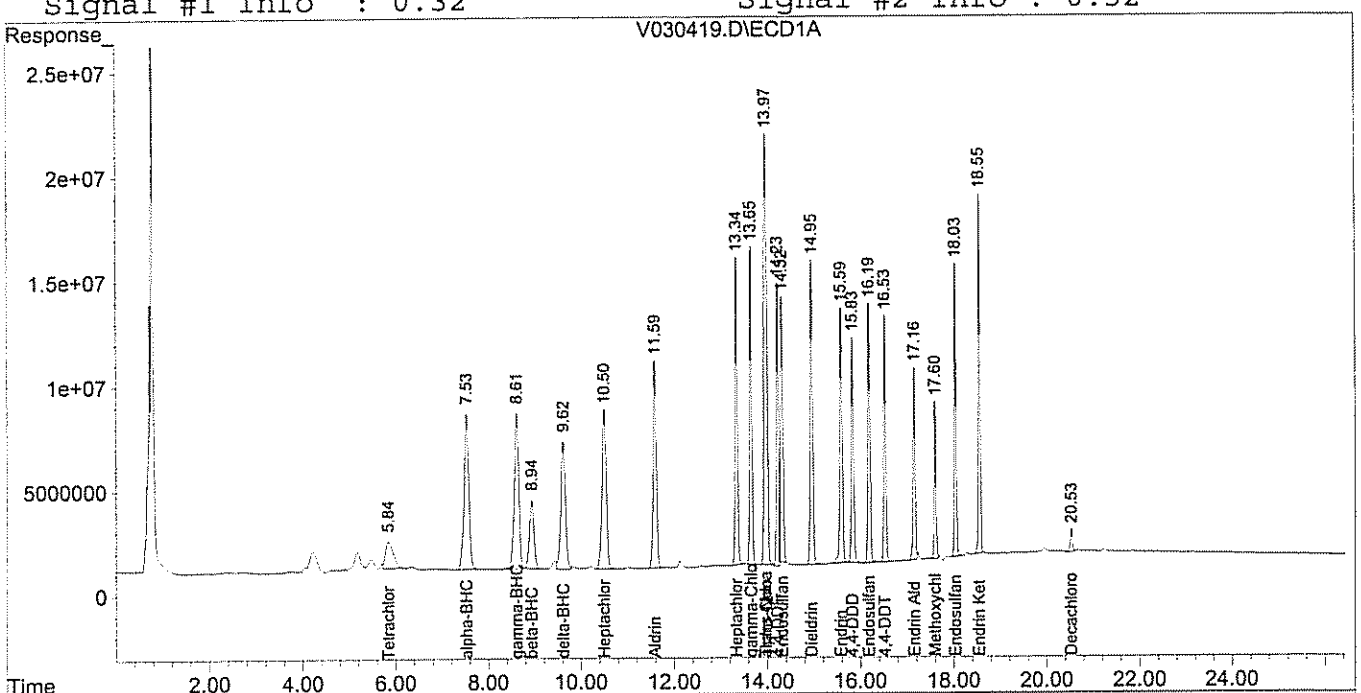
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

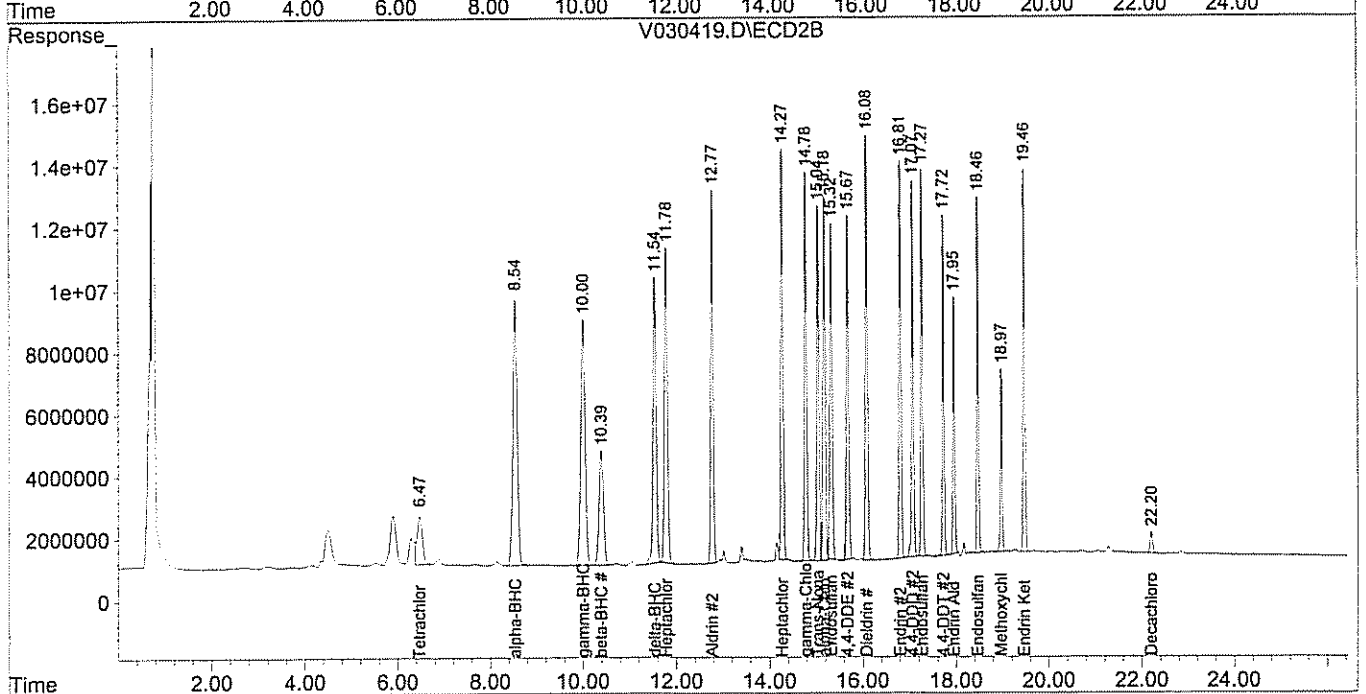
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030419.D\ECD1A.CH Vial: 10
Signal #2 : H:\GCDATA\V\051309\V030419.D\ECD2B.CH
Acq On : 5-13-2009 12:54:00 Operator: RP
Sample : 905068-001-007-1/6MS Inst : GC-V
Misc : OUI-17GW03-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:38 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-17GW03-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-001-007-1/6MSD
Sample Volume :	1000	Lab File ID :	V030420.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.57	
72-55-9	4,4-DDE	0.52	
50-29-3	4,4-DDT	0.47	
309-00-2	Aldrin	0.54	
319-84-6	Alpha-BHC	0.57	
5103-71-9	Alpha-Chlordane	0.55	
319-85-7	Beta-BHC	0.63	
319-86-8	Delta-BHC	0.48	
60-57-1	Dieldrin	0.56	
959-98-8	Endosulfan I	0.55	
33213-65-9	Endosulfan II	0.53	
1031-07-8	Endosulfan Sulfate	0.52	
72-20-8	Endrin	0.59	
7421-93-4	Endrin Aldehyde	0.49	
53494-70-5	Endrin Ketone	0.54	
58-89-9	Gamma-BHC (Lindane)	0.58	
5103-74-2	Gamma-Chlordane	0.56	
76-44-8	Heptachlor	0.56	
1024-57-3	Heptachlor Epoxide	0.57	
72-43-5	Methoxychlor	0.56	
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030420.D\ECD1A.CH Vial: 11
Signal #2 : H:\GCDATA\V\051309\V030420.D\ECD2B.CH
Acq On : 5-13-2009 13:24:18 Operator: RP
Sample : 905068-001-007-1/6MSD Inst : GC-V
Misc : OUI-17GW03-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:40 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	5.85f	6.47f	154.9E6	121.0E6	24.528m	19.593m
Spiked Amount 20.000 Range 50 - 130 Recovery =					122.64%	97.97%
28) S Decachlorobiphen	20.53	22.20	37599463	24639443	4.936m	5.023
Spiked Amount 20.000 Range 30 - 150 Recovery =					24.68%#	25.12%#
Target Compounds						
3) A alpha-BHC	7.54f	8.54f	518.1E6	542.8E6	53.714	56.628
4) MA gamma-BHC (Linda	8.62f	10.00f	493.9E6	520.5E6	54.308	58.419
5) MA Heptachlor	10.50f	11.78	483.8E6	457.8E6	51.109	55.643
6) MB Aldrin	11.59	12.77	461.0E6	431.6E6	51.866	53.785
7) B beta-BHC	8.94f	10.39	220.8E6	245.9E6	53.770	62.812
8) B delta-BHC	9.62f	11.54	410.9E6	426.3E6	46.484m	48.419
10) B Heptachlor Epoxi	13.34	14.27	488.9E6	433.4E6	57.284	57.235m
11) A Endosulfan I	14.32	15.32	430.3E6	378.5E6	51.480m	54.583m
12) A gamma-Chlordane	13.66	14.78	474.2E6	413.4E6	51.863	55.705
13) A alpha-Chlordane	13.97	15.18	928.9E6	402.3E6	53.283	55.161m
14) B Trans-Nonachlor	13.97	15.04	928.9E6	376.1E6	53.283	53.806m
15) B 4,4-DDE	14.23	15.67	422.6E6	362.2E6	51.725m	51.432
17) MA Dieldrin	14.95	16.08	492.6E6	432.1E6	54.972	55.999
19) MA Endrin	15.58	16.81	436.5E6	373.1E6	57.640m	58.927
20) B Endosulfan II	16.19	17.27	405.5E6	338.7E6	51.737	53.416
21) A 4,4-DDD	15.83	17.07	356.3E6	320.1E6	55.168	56.865m
22) MA 4,4-DDT	16.53	17.72	338.2E6	263.5E6	45.731	47.397
23) B Endrin Aldehyde	17.16	17.95	269.8E6	209.3E6	49.082m	49.068
25) B Endosulfan Sulfa	18.03	18.46	363.3E6	280.1E6	50.504	51.661
26) A Methoxychlor	17.60	18.97	190.4E6	145.6E6	56.137m	52.837
27) B Endrin Ketone	18.55	19.46	448.6E6	345.9E6	51.932	53.612
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

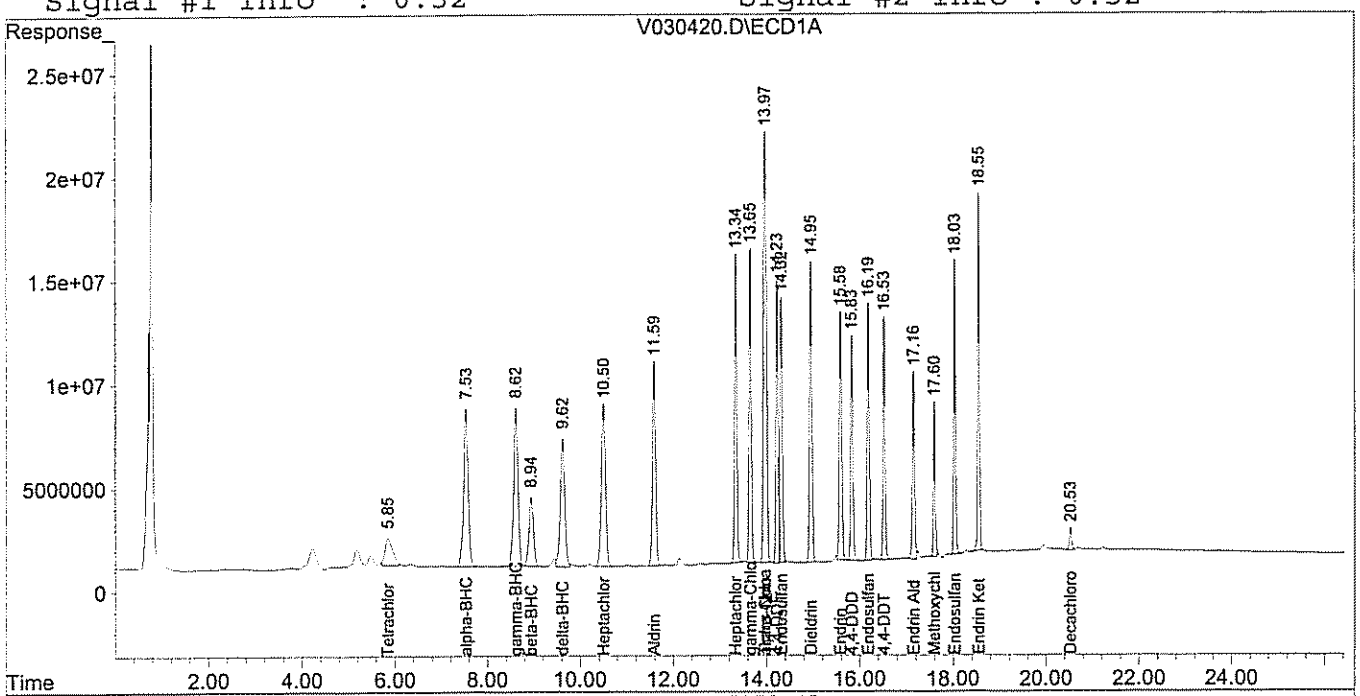
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

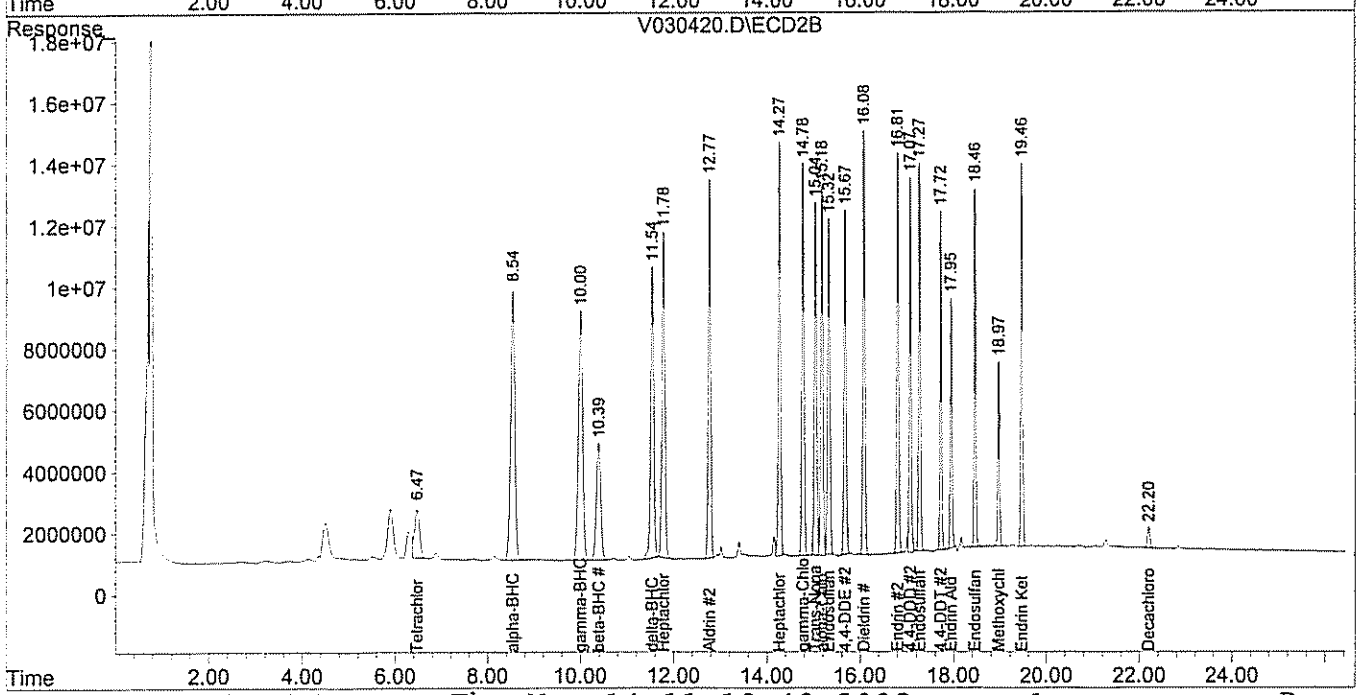
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030420.D\ECD1A.CH Vial: 11
Signal #2 : H:\GCDATA\V\051309\V030420.D\ECD2B.CH
Acq On : 5-13-2009 13:24:18 Operator: RP
Sample : 905068-001-007-1/6MSD Inst : GC-V
Misc : OUI-17GW03-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:40 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-031-1/6MS
Sample Volume :	1000	Lab File ID :	V030424.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.41	
72-55-9	4,4-DDE	0.36	
50-29-3	4,4-DDT	0.36	
309-00-2	Aldrin	0.38	
319-84-6	Alpha-BHC	0.37	
5103-71-9	Alpha-Chlordane	0.42	
319-85-7	Beta-BHC	0.57	P
319-86-8	Delta-BHC	0.34	
60-57-1	Dieldrin	0.38	
959-98-8	Endosulfan I	0.58	P
33213-65-9	Endosulfan II	0.39	
1031-07-8	Endosulfan Sulfate	0.37	
72-20-8	Endrin	0.41	
7421-93-4	Endrin Aldehyde	0.17	
53494-70-5	Endrin Ketone	0.40	
58-89-9	Gamma-BHC (Lindane)	0.40	
5103-74-2	Gamma-Chlordane	0.37	
76-44-8	Heptachlor	0.38	
1024-57-3	Heptachlor Epoxide	0.38	
72-43-5	Methoxychlor	0.42	
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030424.D\ECD1A.CH Vial: 15
Signal #2 : H:\GCDATA\V\051309\V030424.D\ECD2B.CH
Acq On : 5-13-2009 15:26:21 Operator: RP
Sample : 905068-003-031-1/6MS Inst : GC-V
Misc : OUI-16GW49-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:26 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.84f	6.47f	89573805	78506512	14.182	12.711m
Spiked Amount	20.000 Range 50 - 130 Recovery =					70.91%	63.56%
28) S	Decachlorobiphen	20.53	22.20	29821533	26765590	3.915m	5.456 #
Spiked Amount	20.000 Range 30 - 150 Recovery =					19.58%#	27.28%#
	Target Compounds						
3) A	alpha-BHC	7.54f	8.54	309.2E6	354.9E6	32.058	37.017
4) MA	gamma-BHC (Linda	8.62f	10.00	331.9E6	352.5E6	36.500m	39.562
5) MA	Heptachlor	10.51f	11.78	329.7E6	316.9E6	34.835	38.514
6) MB	Aldrin	11.59f	12.77	280.5E6	300.8E6	31.554	37.494
7) B	beta-BHC	8.94f	10.39f	173.0E6	222.3E6	42.119m	56.772 #
8) B	delta-BHC	9.63f	11.54	293.6E6	296.7E6	33.213m	33.698m
10) B	Heptachlor Epoxi	13.35	14.27	320.5E6	282.3E6	37.551	37.283
11) A	Endosulfan I	14.32	15.33	315.5E6	399.0E6	37.743m	57.543m#
12) A	gamma-Chlordane	13.66	14.78	302.4E6	272.3E6	33.074	36.691
13) A	alpha-Chlordane	13.97	15.18	738.7E6	290.5E6	42.374	39.826m
14) B	Trans-Nonachlor	13.97	15.04	738.7E6	263.0E6	42.374	37.628m
15) B	4,4-DDE	14.23	15.67	291.4E6	255.0E6	35.675m	36.208
17) MA	Dieldrin	14.96	16.08	316.3E6	296.1E6	35.305	38.374
19) MA	Endrin	15.59	16.81	291.5E6	260.1E6	38.491	41.083
20) B	Endosulfan II	16.19	17.27	276.5E6	245.6E6	35.283	38.726
21) A	4,4-DDD	15.83	17.07	242.3E6	229.0E6	37.514m	40.687m
22) MA	4,4-DDT	16.53	17.72	241.3E6	201.0E6	32.637m	36.152m
23) B	Endrin Aldehyde	17.16	17.95	94868147	62738538	17.256m	14.709
25) B	Endosulfan Sulfa	18.04	18.46	241.3E6	199.1E6	33.551	36.724
26) A	Methoxychlor	17.60	18.97	142.6E6	116.9E6	42.045m	42.414
27) B	Endrin Ketone	18.55	19.46	347.4E6	247.8E6	40.216m	38.404
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

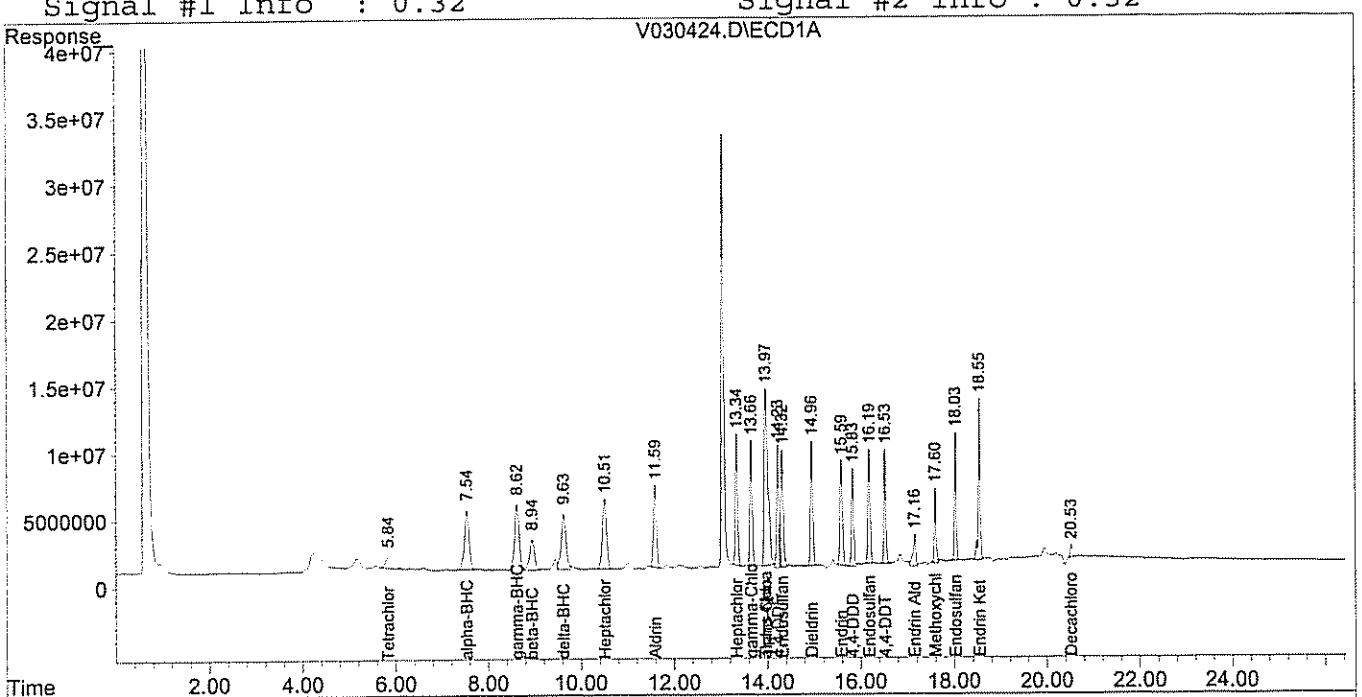
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

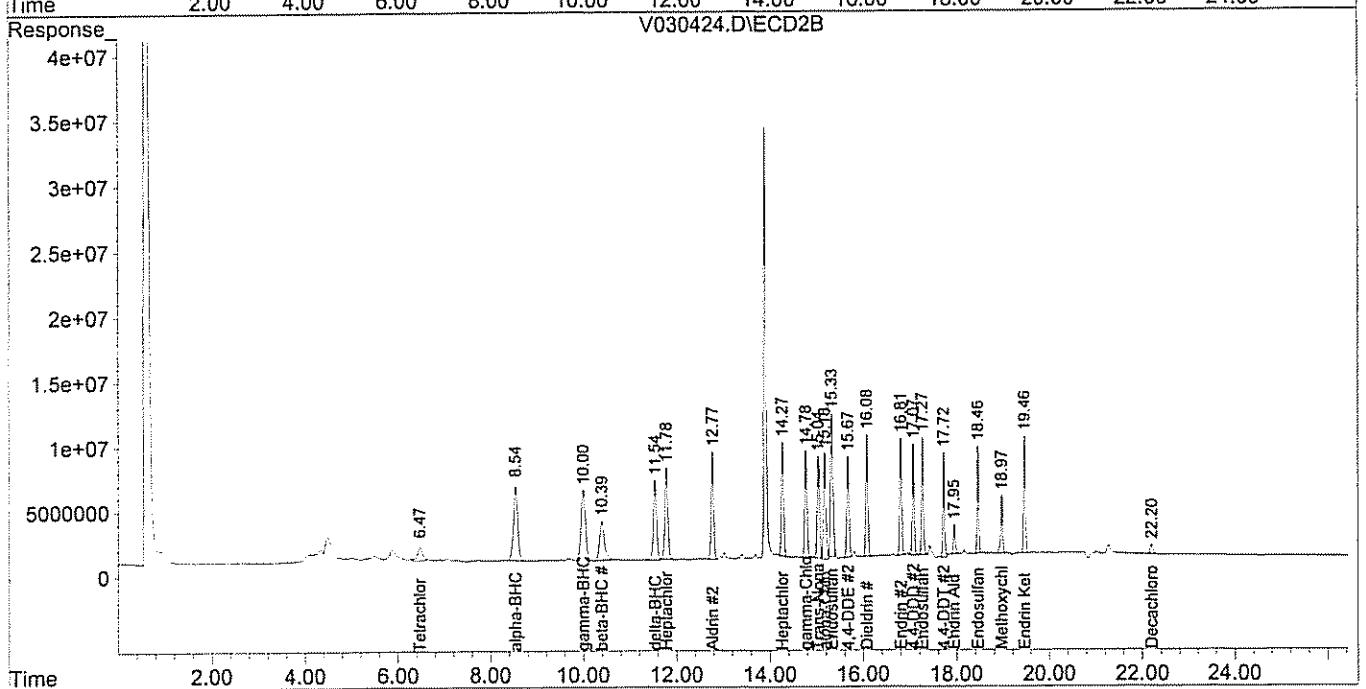
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030424.D\ECD1A.CH Vial: 15
Signal #2 : H:\GCDATA\V\051309\V030424.D\ECD2B.CH
Acq On : 5-13-2009 15:26:21 Operator: RP
Sample : 905068-003-031-1/6MS Inst : GC-V
Misc : OUI-16GW49-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:26 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-031-1/6MSD
Sample Volume :	1000	Lab File ID :	V030425.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.38	
72-55-9	4,4-DDE	0.37	
50-29-3	4,4-DDT	0.35	
309-00-2	Aldrin	0.36	
319-84-6	Alpha-BHC	0.36	
5103-71-9	Alpha-Chlordane	0.40	
319-85-7	Beta-BHC	0.55	P
319-86-8	Delta-BHC	0.32	
60-57-1	Dieldrin	0.37	
959-98-8	Endosulfan I	0.56	P
33213-65-9	Endosulfan II	0.37	
1031-07-8	Endosulfan Sulfate	0.35	
72-20-8	Endrin	0.40	
7421-93-4	Endrin Aldehyde	0.15	
53494-70-5	Endrin Ketone	0.37	
58-89-9	Gamma-BHC (Lindane)	0.38	
5103-74-2	Gamma-Chlordane	0.35	
76-44-8	Heptachlor	0.37	
1024-57-3	Heptachlor Epoxide	0.38	
72-43-5	Methoxychlor	0.41	
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030425.D\ECD1A.CH Vial: 16
Signal #2 : H:\GCDATA\V\051309\V030425.D\ECD2B.CH
Acq On : 5-13-2009 15:56:32 Operator: RP
Sample : 905068-003-031-1/6MSD Inst : GC-V
Misc : OUI-16GW49-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:25 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.83f	6.47f	77072291	69651848	12.203	11.278m
Spiked Amount	20.000 Range 50 - 130 Recovery =					61.02%	56.39%
28) S	Decachlorobiphen	20.53	22.20	30411031	25833221	3.993m	5.266 #
Spiked Amount	20.000 Range 30 - 150 Recovery =					19.97%#	26.33%#
	Target Compounds						
3) A	alpha-BHC	7.53f	8.54	288.6E6	340.1E6	29.919	35.474
4) MA	gamma-BHC (Linda	8.61f	10.00	305.4E6	337.7E6	33.578m	37.903
5) MA	Heptachlor	10.50f	11.78	309.6E6	303.9E6	32.710	36.943
6) MB	Aldrin	11.59	12.77	263.1E6	288.4E6	29.595	35.944
7) B	beta-BHC	8.94f	10.39f	161.1E6	213.9E6	39.237m	54.619 #
8) B	delta-BHC	9.62f	11.54	278.6E6	281.3E6	31.517m	31.957m
10) B	Heptachlor Epoxi	13.34	14.27	320.1E6	280.7E6	37.511m	37.059m
11) A	Endosulfan I	14.32	15.33	293.9E6	390.4E6	35.168m	56.300m#
12) A	gamma-Chlordane	13.65	14.78	284.7E6	260.4E6	31.145	35.087
13) A	alpha-Chlordane	13.97	15.18	695.5E6	266.6E6	39.895	36.557m
14) B	Trans-Nonachlor	13.97	15.04	695.5E6	259.8E6	39.895	37.173m
15) B	4,4-DDE	14.23	15.67	275.4E6	260.8E6	33.715m	37.043m
17) MA	Dieldrin	14.95	16.08	296.8E6	283.4E6	33.126	36.721
19) MA	Endrin	15.59	16.81	272.9E6	254.0E6	36.034m	40.113m
20) B	Endosulfan II	16.18	17.27	266.4E6	235.5E6	33.995m	37.143
21) A	4,4-DDD	15.83	17.07	228.4E6	216.9E6	35.367m	38.527m
22) MA	4,4-DDT	16.53	17.72	223.5E6	194.0E6	30.217	34.892m
23) B	Endrin Aldehyde	17.16	17.95	79312089	65169305	14.426m	15.278m
25) B	Endosulfan Sulfa	18.03	18.46	226.6E6	191.7E6	31.501	35.354
26) A	Methoxychlor	17.60	18.97	131.4E6	112.6E6	38.754m	40.853
27) B	Endrin Ketone	18.55	19.46	296.3E6	240.9E6	34.299m	37.338
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

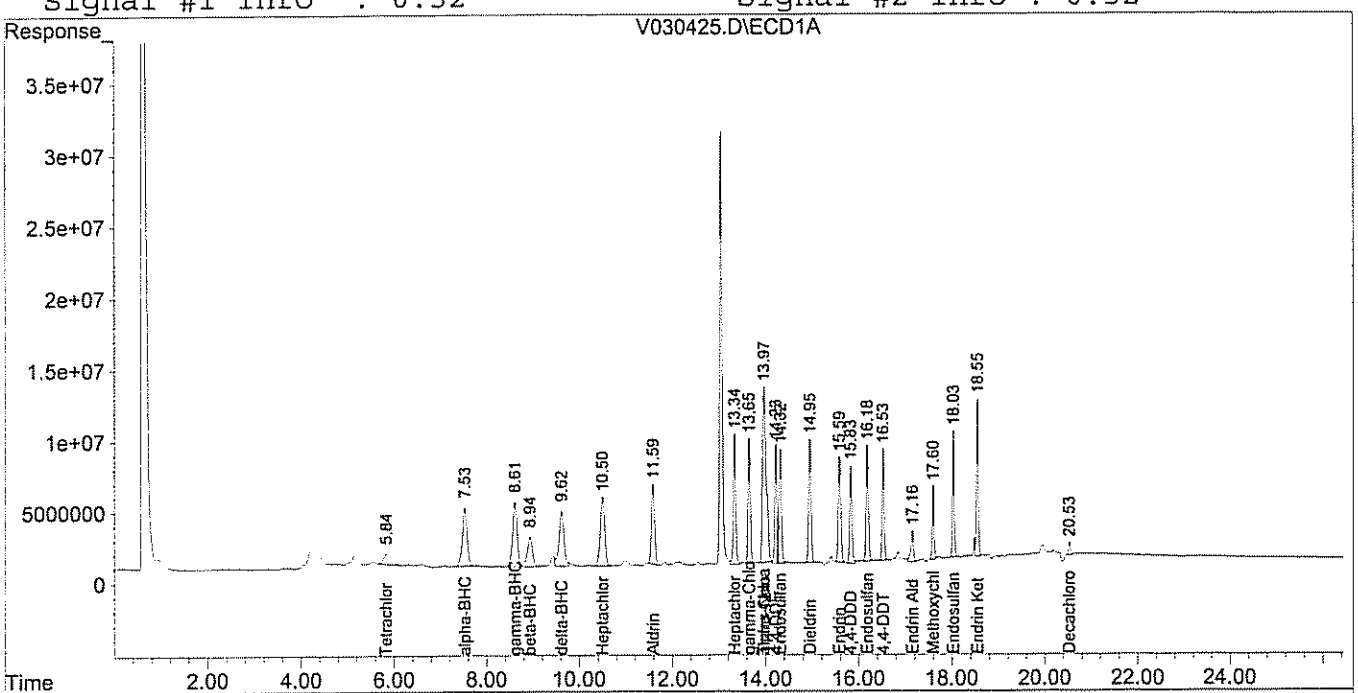
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

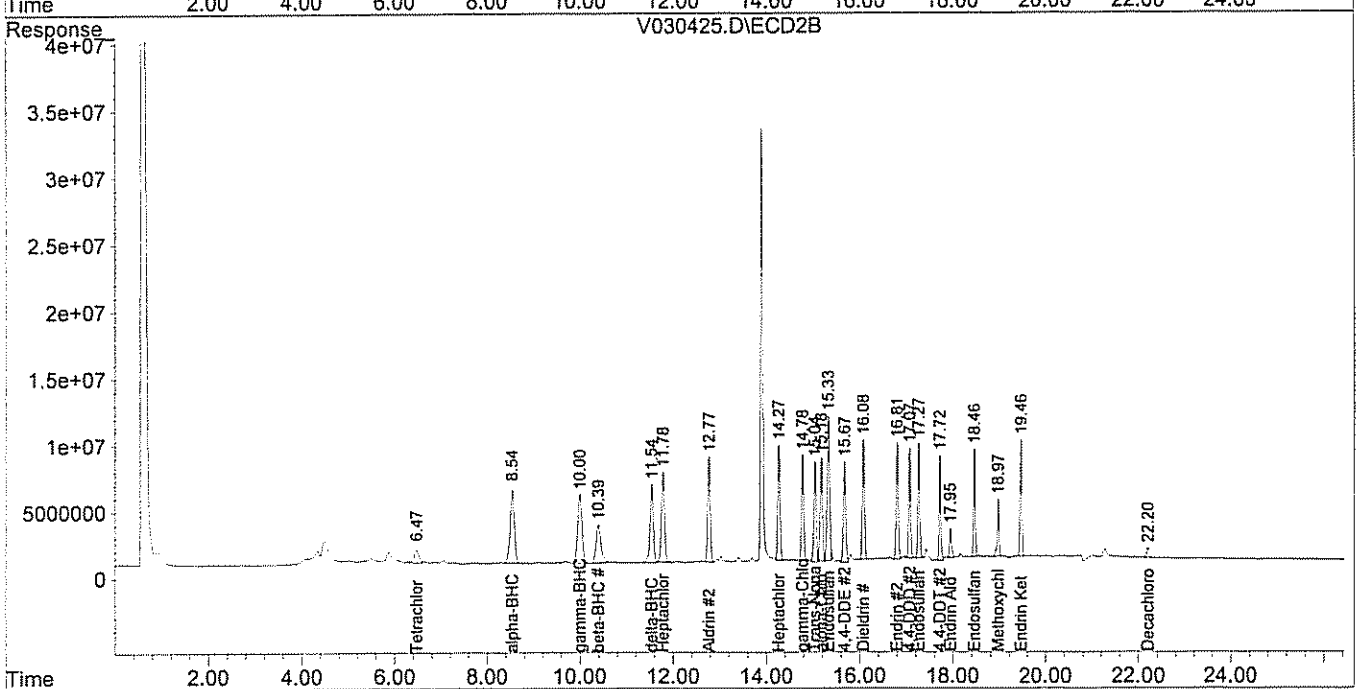
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030425.D\ECD1A.CH Vial: 16
Signal #2 : H:\GCDATA\V\051309\V030425.D\ECD2B.CH
Acq On : 5-13-2009 15:56:32 Operator: RP
Sample : 905068-003-031-1/6MSD Inst : GC-V
Misc : OUI-16GW49-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:25 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109737

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109737
Sample Volume :	1000	Lab File ID :	V030415.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.48	
72-55-9	4,4-DDE	0.48	
50-29-3	4,4-DDT	0.41	
309-00-2	Aldrin	0.46	
319-84-6	Alpha-BHC	0.45	
5103-71-9	Alpha-Chlordane	0.47	
319-85-7	Beta-BHC	0.46	
319-86-8	Delta-BHC	0.37	
60-57-1	Dieldrin	0.46	
959-98-8	Endosulfan I	0.50	
33213-65-9	Endosulfan II	0.46	
1031-07-8	Endosulfan Sulfate	0.43	
72-20-8	Endrin	0.45	
7421-93-4	Endrin Aldehyde	0.49	
53494-70-5	Endrin Ketone	0.46	
58-89-9	Gamma-BHC (Lindane)	0.46	
5103-74-2	Gamma-Chlordane	0.46	
76-44-8	Heptachlor	0.45	
1024-57-3	Heptachlor Epoxide	0.48	
72-43-5	Methoxychlor	0.42	
8001-35-2	Toxaphene	1.0	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\V\051309\V030415.D\ECD1A.CH Vial: 6
Signal #2 : H:\GCDATA\V\051309\V030415.D\ECD2B.CH
Acq On : 5-13-2009 10:53:07 Operator: RP
Sample : BKS109737 Inst : GC-V
Misc : BKS109737 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:31 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Initial Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1) S	Tetrachloro-m-xy	5.83f	6.47f	130.2E6	117.3E6	20.620m	18.986
Spiked Amount		20.000	Range 50 - 130		Recovery =	103.10%	94.93%
28) S	Decachlorobiphen	20.53	22.21	87912090	58320002	11.542	11.889
Spiked Amount		20.000	Range 30 - 150		Recovery =	57.71%	59.44%
	Target Compounds						
3) A	alpha-BHC	7.53f	8.54	425.2E6	431.3E6	44.082	44.991
4) MA	gamma-BHC (Linda	8.61f	10.00	408.8E6	407.6E6	44.956	45.754
5) MA	Heptachlor	10.50f	11.78	421.4E6	369.0E6	44.523	44.856
6) MB	Aldrin	11.59	12.77	413.5E6	368.9E6	46.522	45.975
7) B	beta-BHC	8.94f	10.39	186.5E6	180.9E6	45.418	46.205
8) B	delta-BHC	9.62f	11.54	328.2E6	328.7E6	37.137	37.333m
10) B	Heptachlor Epoxi	13.34	14.27	407.5E6	345.3E6	47.753	45.598
11) A	Endosulfan I	14.32	15.32	419.1E6	325.9E6	50.137m	46.999m
12) A	gamma-Chlordane	13.65	14.78	416.3E6	344.3E6	45.535	46.395
13) A	alpha-Chlordane	13.97	15.18	822.0E6	334.6E6	47.150	45.876m
14) B	Trans-Nonachlor	13.97	15.04	822.0E6	325.2E6	47.150	46.517m
15) B	4,4-DDE	14.23	15.67	384.8E6	336.9E6	47.103m	47.840
17) MA	Dieldrin	14.95	16.08	414.6E6	353.9E6	46.274	45.867
19) MA	Endrin	15.58	16.81	338.1E6	283.1E6	44.647	44.710
20) B	Endosulfan II	16.19	17.27	359.0E6	285.1E6	45.813	44.954
21) A	4,4-DDD	15.83	17.08	307.5E6	267.4E6	47.617	47.510
22) MA	4,4-DDT	16.53	17.73	300.2E6	215.8E6	40.593m	38.815
23) B	Endrin Aldehyde	17.16	17.95	269.2E6	204.0E6	48.968m	47.815
25) B	Endosulfan Sulfa	18.04	18.46	308.9E6	226.5E6	42.947	41.775
26) A	Methoxychlor	17.60	18.97	143.7E6	104.1E6	42.380	37.752
27) B	Endrin Ketone	18.55	19.46	397.7E6	288.4E6	46.037	44.696
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000

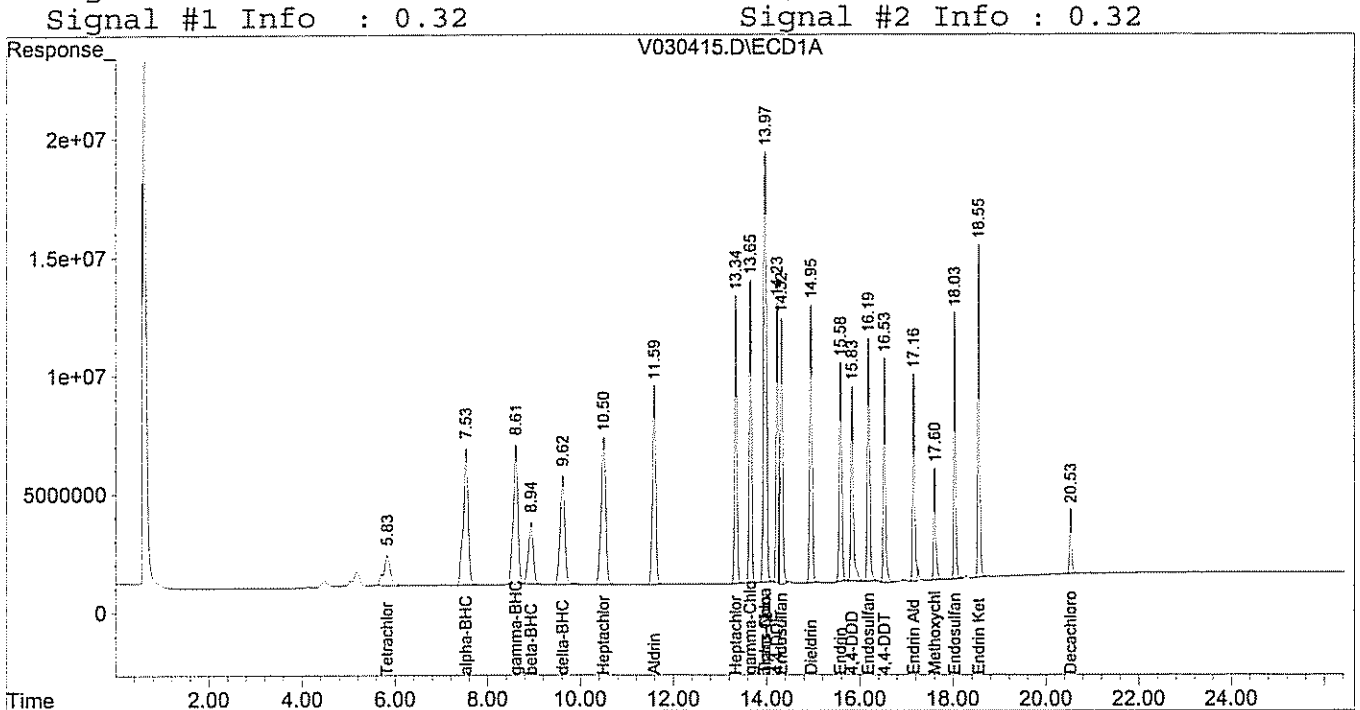
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

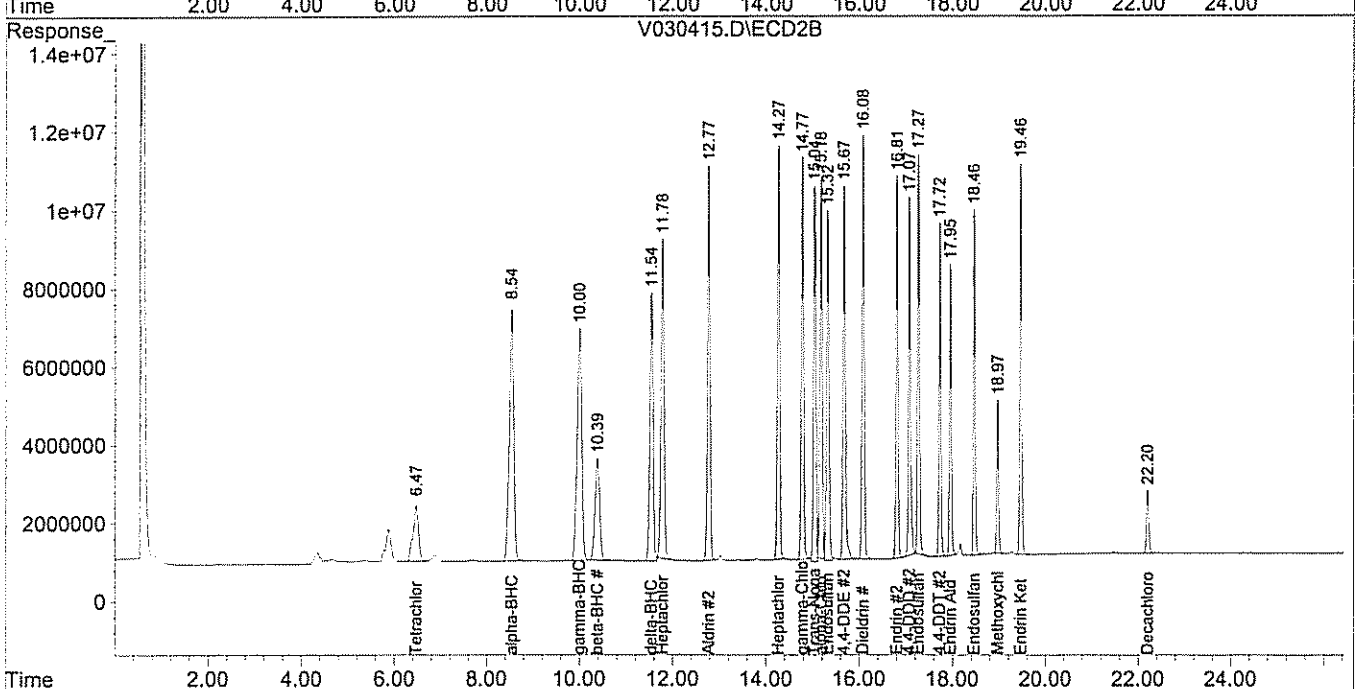
Quantitation Report

Signal #1 : H:\GCDATA\V\051309\V030415.D\ECD1A.CH Vial: 6
Signal #2 : H:\GCDATA\V\051309\V030415.D\ECD2B.CH
Acq On : 5-13-2009 10:53:07 Operator: RP
Sample : BKS109737 Inst : GC-V
Misc : BKS109737 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 14 8:31 2009 Quant Results File: 042009V.RES

Quant Method : H:\GCDATA\METHODS\V_ICAL\042009V.M (Chemstation Integrator
Title : 8081A-Pest_Tox_Chlor Method
Last Update : Tue Apr 21 08:30:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32VT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





PESTICIDE/PCB EXTRACTION LOG

SOIL / WATER / WIPES / OIL

Sep. Funnel 3510C / ~~Continuous 3520C~~ / Soxhlet 3540C / Sonication 3550B / Waste Dilution 3580A

OLCO3.2 / OLMO4.2 / OLMO3.2 / OLM04.3

Approval / Date: 5/12/09 GPC: Y / N

Analysis Method: 8081/8082

Ext. Chemist: VT Date: 05/11/09 Conc. Chemist: VT Date: 5/12/09

Cleanup: 9:30 AM

Florisil (3620B)(F) Date: 5/12/09 Acid(3665A)(A) Date 5/12/09 Sulfur (3660B)(S) Date: —

Lot #: 30524 Lot #: 20022 Lot #: —

Spike Witness Initials: N.P.

GPL W. O. #	Frac.	Init pH	Sample Vol. gram / mL	Surr. Vol. mL	Spike Vol. mL	Adjust. pH	F / A / S Cleanup	F.V. mL
905070	BLK 109737	6	1000	1.0	—	—	F/A	10.0
	BKS1	6	1000		1.0 (8081)		F	
	BKS2	6	1000		1.0 (8082)		A	
	001	6	1000				F/A	
	002	6	1000				F/A	
905068	001	6	1000				F/A	
	001MS1	6	1000		1.0		F	
	001MSD1	6	1000		↓		↓	
	001MS2	6	1000		1.0		A	
	001MSD2	6	1000		↓		↓	
	002	6	1000		—		F/A	
	03	6	1000		—		F	
	03MS1	6	1000		1.0		F	
	03MSD1	6	1000		↓		F	
	~~03MS2~~ (14)	6	1000	↓	—	↓	F	↓
	~~03MSD2~~							

VT 5/12/09

Solvent: DCM / Acetone Solvent: Hexane Surrogate Soln#: 44690 Matrix Spike Soln #: 44727, 44892

Lot #: M08404 Lot #: M02E51 Surr. Soln Conc(s): 0.2 PPM MS Soln Conc(s): 5.5 PPM PCB, 0.5 PPM 8081

Sodium Sulfate # : G45609

Comments & Observations:

GC ANALYSIS LOG

Instrument ID: HP5890 # V

Reviewed by: RP **Date:** 4/21/09

Data Acquisition Method:	(Pest32) / PCB32 / Herb32
Injector Temp (oC):	180 / (200) / 240
Detector Temp(oC):	(300)
Oven Initial Temp(oC):	60 / (150)
Initial Time (min):	0.0 / 0.50 / (1.0)
Ramp Rate (oC/min) :	15-200-4 / 15-250-2 / 18-300-8
Final Temp(oC):	200 / 275 / (300)
Injection Volume(uL):	(1.0) / 2.0 / 2.5

Detector A

Column:	RTX-CLP 30 meter
ID:	0.32 mm

Detector B

Column:	RTX-CLP2 30 meter
ID:	0.32 mm

ICAL Method: 042009V.m

Analyst: ZJ

Seq.	File ID	GPL ID	Dil	Matrix	Date	Comments
042009	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					
	V					

Directory: h:\gcdata\v\042009

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	v030328.d	1.	PEST-4 95c43	8081 STD	20 Apr 09 11:36
2	v030329.d	1.	EVAL MIX 95c74	8081 STD	20 Apr 09 12:46
3	v030330.d	1.	TOX-3 95c53	8081 STD	20 Apr 09 13:59
4	v030331.d	1.	CHLOR-3 95c61	8081 STD	20 Apr 09 14:29
5	v030332.d	1.	PEST-6 95c40	8081 STD	20 Apr 09 14:59
6	v030333.d	1.	PEST-5 95c41	8081 STD	20 Apr 09 15:29
7	v030334.d	1.	PEST-4 95c43	8081 STD	20 Apr 09 16:00
8	v030335.d	1.	PEST-3 95c45	8081 STD	20 Apr 09 16:30
9	v030336.d	1.	PEST-2 95c46	8081 STD	20 Apr 09 17:00
10	v030337.d	1.	PEST-1 95c47	8081 STD	20 Apr 09 17:30
11	v030338.d	1.	PEST-ICV 95c40	8081 STD	20 Apr 09 18:01
12	v030339.d	1.	EVAL MIX 95c74	8081 STD	20 Apr 09 18:31

Comments:

GPL Laboratories, LLC

Document Control No: GP_G_106

GC ANALYSIS LOG

Instrument ID: HP5890 # V

Reviewed by: RP Date: 5/14/09

Data Acquisition Method:	(Pest32) / PCB32 / Herb32
Injector Temp (oC):	180 / (200) / 240
Detector Temp(oC):	(300)
Oven Initial Temp(oC):	60 / (150)
Initial Time (min):	0.0 / 0.50 / (1.0)
Ramp Rate (oC/min) :	15-200-4/15-280-2/18-300-8
Final Temp(oC):	200 / 275 / (300)
Injection Volume(uL):	(1.0) / 2.0 / 2.5

Detector A

Column:	RTX-CLP 30 meter
ID:	0.32 mm

Detector B

Column:	RTX-CLP2 30 meter
ID:	0.32 mm

ICAL Method: 042009V.M

Analyst: ZS

Seq.	File ID	GPL ID	Dil	Matrix	Date	Comments
051309	V					

Directory: h:\gcdata\v\051309

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	v030410.d	1.	EVAL MIX 95074	8081 STD	13 May 09 08:2
2	v030411.d	1.	PEST-4 95043	8081 STD	13 May 09 08:5
3	v030412.d	1.	TOX-3 95053	8081 STD	13 May 09 09:2
4	v030413.d	1.	CHLOR-3 95061	8081 STD	13 May 09 09:5
5	v030414.d	1.	BLK109737	BLK109737	13 May 09 10:2
6	v030415.d	1.	BKS109737	BKS109737	13 May 09 10:5
7	v030416.d	1.	905070-001-021-1/2	OUI-FB050709	13 May 09 11:2
8	v030417.d	1.	905070-002-023-1/2	OUI-EB01-050709	13 May 09 11:5
9	v030418.d	1.	905068-001-007-1/6	OUI-17GW03-0509	13 May 09 12:2
10	v030419.d	1.	905068-001-007-1/6MS	OUI-17GW03-0509MS	13 May 09 12:5
11	v030420.d	1.	905068-001-007-1/6MSD	OUI-17GW03-0509MSD	13 May 09 13:2
12	v030421.d	1.	905068-002-015-1/2	OUI-17GW03P-0509	13 May 09 13:5
13	v030422.d	1.	905068-003-031-1/6	OUI-16GW49-0509	13 May 09 14:2
14	v030423.d	1.	PEST-4 95043	8081 STD	13 May 09 14:5
15	v030424.d	1.	905068-003-031-1/6MS	OUI-16GW49-0509MS	13 May 09 15:2
16	v030425.d	1.	905068-003-031-1/6MSD	OUI-16GW49-0509MSD	13 May 09 15:5
17	v030426.d	1.	905068-004-039-1/2	OUI-16GW49P-0509	13 May 09 16:2
18	v030427.d	1.	BLK109742	BLK109742	13 May 09 16:5
19	v030428.d	1.	BKS109742	BKS109742	13 May 09 17:2
20	v030429.d	1.	B090512BE-1	B090512BE-1	13 May 09 17:5
21	v030430.d	1.	905045-002-006-1/1	CHOU183-WS-050509	13 May 09 18:2
22	v030431.d	1.	905045-002-006-1/1MS	CHOU183-WS-050509MS	13 May 09 18:5
23	v030432.d	1.	PEST-4 95043	8081 STD	13 May 09 19:2
23	v030433.d	1.	PEST-4	8081 STD	13 May 09 19:5

ZS

Comments:

Supersedes GP_G_098

POLYCHLORINATED BIPHENYLS (PCBs)

GPL Laboratories

A. QC Summary

1. Surrogate Percent Recovery Summary
2. Matrix Spike/Matrix Spike Duplicate Summary
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary

Surrogate Recovery Summary

SDG No : 905070

Matrix : WATER

Analytical Method : SW8082

Surrogate	CL10BZ2	XYL2456CLM
Lower QC Limits	16	21
Upper QC Limits	148	129
Sample ID		
BKS109736	46	68
	43	65
BLK109736	50	72
	46	68
OUI-EB01-050709	26	76
	24	79
OUI-FB050709	52	84
	50	92

* Value outside of QC Limts

CL10BZ2 = Decachlorobiphenyl XYL2456CLM = Tetrachloro-m-xylene

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-17GW03-0509MSD

Lab Name : GPL Laboratories
SDG NO : 905068
Method : SW8082

Lab Code : GPL
Lab Sample ID : 905068-001-001-1/6MSD
Matrix : WATER
Analysis Date : 05/13/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
PCB-1016	5	5	0.0	6.2	6.4	123	129	5	20	25-145
PCB-1260	5	5	0.0	4.7	4.6	95	92	3	20	30-145

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 2 Outside Limit
Spike Recovery : 0 Out of 4 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS109736

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8082

Contract. : CTO-059 386383.FI.FQ.FQ
SDG NO : 905070
Lab Sample ID : BKS109736
Analysis Date : 05/13/2009

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
PCB-1016	5	0	4.2	84	25-145
PCB-1260	5	0	3.7	74	30-145

* Values Outside of QC Limits.

GPL Laboratories

GPL
FORM 4
PESTICIDE METHOD BLANK SUMMARY

SAMPLE NO
BLK109736

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	109736
Lab File ID :	U0319525.D	SDG NO :	905070
Date Extracted :	05/13/2009	Lab Sample ID :	BLK109736
Date Analyzed(1)	05/13/2009	Time Analyzed (1):	09:55
Date Analyzed (2)	05/13/2009	Time Analyzed(2)	09:55
GC Column(1)	RTx-CLP ID : _____ (mm)	GC Column(2) :	RTx-CLP2 ID : _____ (mm)
Matrix :(Soil/Water).	WATER	Extraction:	SepF / Cont / Sonc
Sulfur Cleanup:(Y/N).	_____		

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD :

Client Sample ID	Lab Sample ID	Date Analyzed 1	Date Analyzed 2
BKS109736	BKS109736	05/13/2009	05/13/2009
OUI-FB050709	905070-001-029-1/2	05/13/2009	05/13/2009
OUI-EB01-050709	905070-002-031-1/2	05/13/2009	05/13/2009

B. Sample Data

1. TCL Results
2. Chromatographs from Primary and Confirmatory Analyses
3. Integration Report for Primary and Confirmatory Analyses

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-029-1/2
Sample Volume :	1000	Lab File ID :	U0319527.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319527.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319527.D\ECD2B.CH
Acq On : 5-13-09 10:59:26
Sample : 905070-001-029-1/2
Misc : OUI-FB050709
IntFile Signal #1: autoint1.e
Quant Time: May 13 12:42 2009

Vial: 4
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.38	7.20	203.3E6	417.0E6	16.879	18.377
Spiked Amount 20.000 Range 30 - 150 Recovery =					84.40%	91.88%
2) S Decachlorobiphen	23.96	24.78	114.7E6	163.1E6	10.388	10.031
Spiked Amount 20.000 Range 30 - 150 Recovery =					51.94%	50.16%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

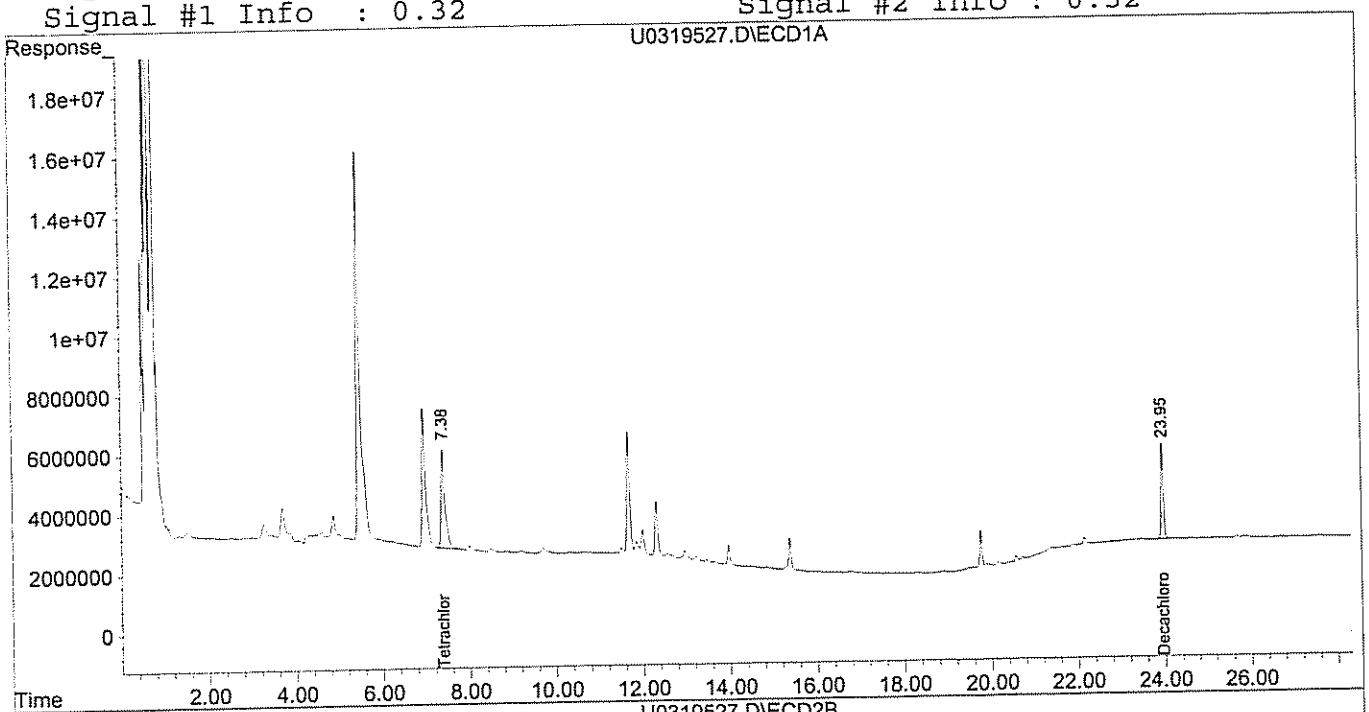
Quantitation Report

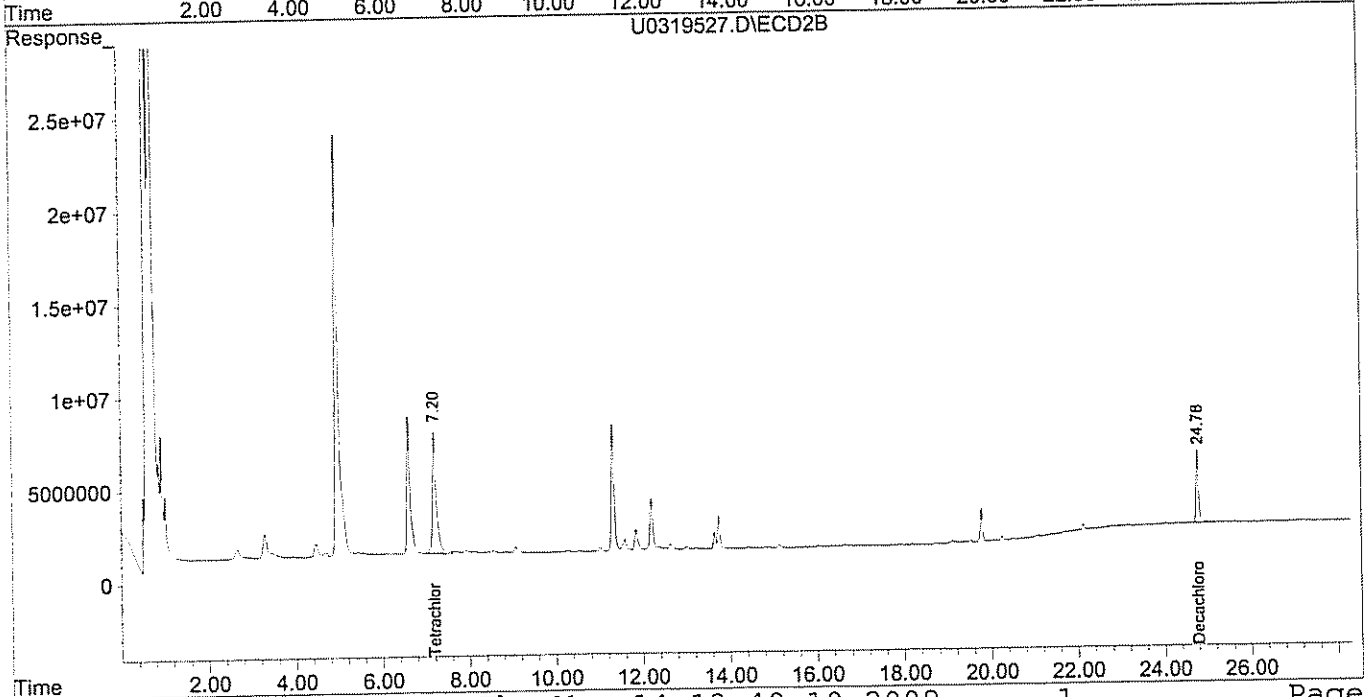
Signal #1 : H:\GCDATA\U\051309\U0319527.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319527.D\ECD2B.CH
Acq On : 5-13-09 10:59:26
Sample : 905070-001-029-1/2
Misc : OUI-FB050709
IntFile Signal #1: autoint1.e
Quant Time: May 13 12:42 2009

Vial: 4
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-031-1/2
Sample Volume :	1000	Lab File ID :	U0319528.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319528.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319528.D\ECD2B.CH
Acq On : 5-13-09 11:31:31
Sample : 905070-002-031-1/2
Misc : OUI-EB01-050709
IntFile Signal #1: autoint1.e
Quant Time: May 13 12:42 2009

Vial: 5
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	182.0E6	360.0E6	15.114	15.864
Spiked Amount 20.000 Range 30 - 150 Recovery =					75.57%	79.32%
2) S Decachlorobiphen	23.95	24.77	56792827	78768049	5.145	4.844
Spiked Amount 20.000 Range 30 - 150 Recovery =					25.73%#	24.22%#
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

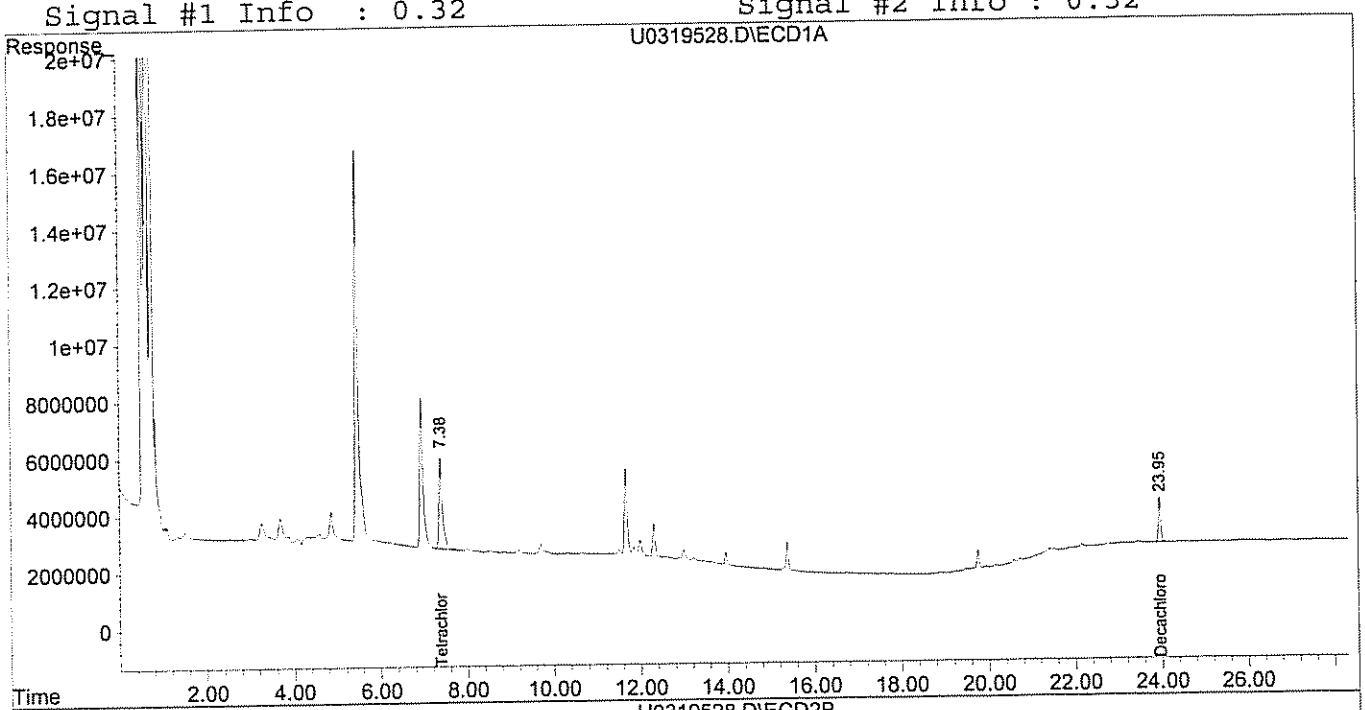
Quantitation Report

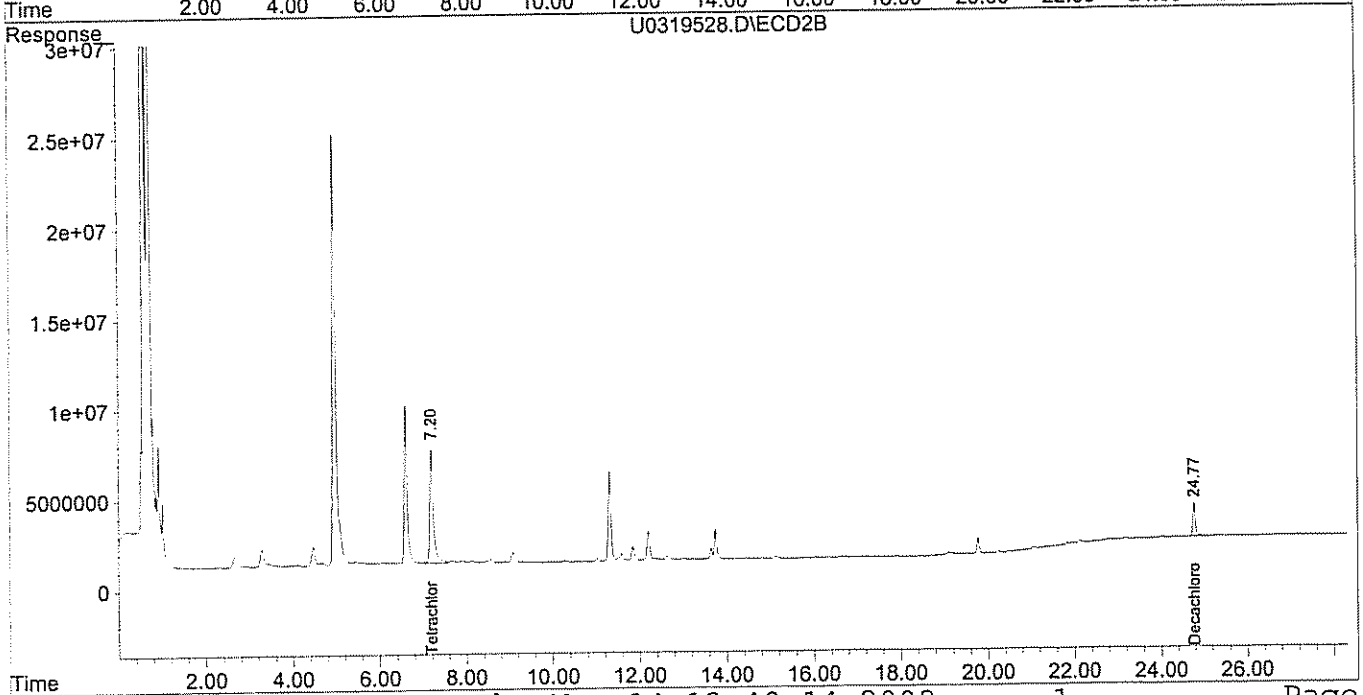
Signal #1 : H:\GCDATA\U\051309\U0319528.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319528.D\ECD2B.CH
Acq On : 5-13-09 11:31:31
Sample : 905070-002-031-1/2
Misc : OUI-EB01-050709
IntFile Signal #1: autoint1.e
Quant Time: May 13 12:42 2009

Vial: 5
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





C. Standards Data

1. Initial Calibration Data
2. Continuing Calibration Data

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Thu Mar 19 15:21:40 2009

Calibration Files
P005 =U0318867.D P025 =U0318866.D P050 =U0318865.D
P075 =U0318864.D P100 =U0318863.D P001 =U0318868.D

		Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
1)	S	Tetrachloro-m-xylen	1.240	1.133	1.181	1.083	1.182	1.407	1.204	E7	9.33
2)	S	Decachlorobiphenyl	1.266	1.104	1.033	0.975	1.122	1.123	1.104	E7	8.94
3)	L1	AR1016	5.353	3.825	3.822	3.333	3.475	3.798	3.934	E5	18.42
4)	L1	AR1016 {2}	7.292	5.365	5.325	5.118	5.413	4.840	5.559	E5	15.74
5)	L1	AR1016 {3}	4.904	3.708	3.646	3.577	3.664	3.273	3.795	E5	14.89
6)	L1	AR1016 {4}	3.190	2.392	2.392	2.438	2.476	2.001	2.481	E5	15.61
7)	L1	AR1016 {5}	3.183	2.424	2.382	2.286	2.416	2.443	2.522	E5	13.03
8)	L2	AR1221	0.956	0.972	1.063	1.061	1.076	1.054	1.030	E5	5.06
9)	L2	AR1221 {2}	6.007	6.827	6.658	6.038	5.846	5.822	6.200	E4	6.97
10)	L2	AR1221 {3}	3.171	3.070	2.906	2.759	2.746	3.293	2.991	E5	7.49
11)	L3	AR1232			5.801				5.801	E4	0.00
12)	L3	AR1232 {2}			5.974				5.974	E4	0.00
13)	L3	AR1232 {3}			8.334				8.334	E4	0.00
14)	L3	AR1232 {4}			1.371				1.371	E5	0.00
15)	L3	AR1232 {5}			6.449				6.449	E4	0.00
16)	L4	AR1242			1.046				1.046	E5	0.00
17)	L4	AR1242 {2}			3.640				3.640	E5	0.00
18)	L4	AR1242 {3}			1.229				1.229	E5	0.00
19)	L4	AR1242 {4}			1.092				1.092	E5	0.00
20)	L4	AR1242 {5}			6.540				6.540	E4	0.00
21)	L5	AR1248			2.483				2.483	E5	0.00
22)	L5	AR1248 {2}			1.923				1.923	E5	0.00
23)	L5	AR1248 {3}			2.127				2.127	E5	0.00
24)	L5	AR1248 {4}			1.678				1.678	E5	0.00
25)	L5	AR1248 {5}			1.425				1.425	E5	0.00
26)	L6	AR1254	4.137	3.873	3.252	3.428	3.278	3.495	3.577	E5	9.88
27)	L6	AR1254 {2}	7.760	6.085	4.891	5.311	5.077	6.183	5.884	E5	18.01
28)	L6	AR1254 {3}	7.401	5.756	4.745	5.120	4.893	5.721	5.606	E5	17.37
29)	L6	AR1254 {4}	8.974	6.971	5.850	6.208	6.033	7.209	6.874	E5	16.88
30)	L6	AR1254 {5}	2.744	2.227	1.906	1.992	1.962	2.092	2.154	E5	14.41
31)	L7	AR1260	6.928	6.225	6.109	5.710	5.987	6.456	6.236	E5	6.74
32)	L7	AR1260 {2}	1.218	1.093	1.101	1.069	1.150	1.110	1.124	E6	4.74
33)	L7	AR1260 {3}	1.252	1.120	1.128	1.079	1.154	1.129	1.144	E6	5.10
34)	L7	AR1260 {4}	1.520	1.305	1.396	1.277	1.397	1.257	1.359	E6	7.27
35)	L7	AR1260 {5}	6.622	5.586	6.181	5.785	6.385	6.530	6.182	E5	6.75
36)	L8	AR1268			5.132				5.132	E5	0.00
37)	L8	AR1268 {2}			6.042				6.042	E5	0.00
38)	L8	AR1268 {3}			3.687				3.687	E5	0.00
39)	L8	AR1268 {4}			4.262				4.262	E5	0.00
40)	L8	AR1268 {5}			5.482				5.482	E5	0.00
41)	L9	AR1262			1.082				1.082	E6	0.00
42)	L9	AR1262{2}			5.974				5.974	E5	0.00
43)	L9	AR1262{3}			1.069				1.069	E6	0.00
44)	L9	AR1262{4}			1.062				1.062	E6	0.00

(#) = Out of Range

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Thu Mar 19 15:21:40 2009

Calibration Files
P005 =U0318867.D P025 =U0318866.D P050 =U0318865.D
P075 =U0318864.D P100 =U0318863.D P001 =U0318868.D

	Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
45) L9	AR1262{5}			7.930				7.930	E5	0.00

Signal #2 Calibration Files
P005 =U0318867.D P025 =U0318866.D P050 =U0318865.D
P075 =U0318864.D P100 =U0318863.D P001 =U0318868.D

	Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
1) S	Tetrachloro-m-xylen	1.941	2.256	2.505	2.428	2.653	1.833	2.269	E7	14.30
2) S	Decachlorobiphenyl	1.700	1.573	1.582	1.545	1.853	1.503	1.626	E7	7.95
3) L1	AR1016	1.184	0.903	0.883	0.806	0.851	1.001	0.938	E6	14.60
4) L1	AR1016 {2}	1.168	0.865	0.844	0.780	0.803	0.812	0.879	E6	16.51
5) L1	AR1016 {3}	4.883	3.835	4.051	3.890	4.232	2.675	3.928	E5	18.36
6) L1	AR1016 {4}	7.283	5.408	5.420	5.113	5.466	5.005	5.616	E5	14.92
7) L1	AR1016 {5}	7.131	5.483	6.418	6.007	6.447	4.303	5.965	E5	16.41
8) L2	AR1221	3.027	2.887	2.564	2.729	2.644	3.456	2.884	E5	11.30
9) L2	AR1221 {2}	2.157	1.920	1.735	1.762	1.698	2.412	1.947	E5	14.56
10) L2	AR1221 {3}	8.008	7.341	6.637	7.028	6.838	8.613	7.411	E5	10.24
11) L3	AR1232			8.578				8.578	E4	0.00
12) L3	AR1232 {2}			1.755				1.755	E5	0.00
13) L3	AR1232 {3}			1.240				1.240	E5	0.00
14) L3	AR1232 {4}			8.682				8.682	E4	0.00
15) L3	AR1232 {5}			2.080				2.080	E5	0.00
16) L4	AR1242			2.824				2.824	E5	0.00
17) L4	AR1242 {2}			1.434				1.434	E6	0.00
18) L4	AR1242 {3}			3.424				3.424	E5	0.00
19) L4	AR1242 {4}			3.662				3.662	E5	0.00
20) L4	AR1242 {5}			3.712				3.712	E5	0.00
21) L5	AR1248			6.389				6.389	E5	0.00
22) L5	AR1248 {2}			7.303				7.303	E5	0.00
23) L5	AR1248 {3}			4.282				4.282	E5	0.00
24) L5	AR1248 {4}			3.086				3.086	E5	0.00
25) L5	AR1248 {5}			2.503				2.503	E5	0.00
26) L6	AR1254	1.046	0.817	0.674	0.727	0.705	0.944	0.819	E6	18.07
27) L6	AR1254 {2}	1.085	0.810	0.710	0.765	0.735	0.923	0.838	E6	16.97
28) L6	AR1254 {3}	1.681	1.265	1.113	1.262	1.222	1.428	1.329	E6	15.06
29) L6	AR1254 {4}	1.458	1.122	0.951	1.094	1.068	1.240	1.156	E6	15.14
30) L6	AR1254 {5}	1.410	1.078	0.867	1.080	1.063	1.094	1.098	E6	15.90
31) L7	AR1260	1.388	1.242	1.260	1.202	1.298	1.260	1.275	E6	4.98
32) L7	AR1260 {2}	1.777	1.671	1.758	1.711	1.877	1.598	1.732	E6	5.54
33) L7	AR1260 {3}	0.971	0.886	0.986	0.946	1.061	0.847	0.950	E6	7.99
34) L7	AR1260 {4}	2.198	2.234	2.492	2.433	2.764	1.909	2.339	E6	12.52
35) L7	AR1260 {5}	1.224	1.243	1.342	1.361	1.576	1.009	1.293	E6	14.47
36) L8	AR1268			1.004				1.004	E6	0.00
37) L8	AR1268 {2}			3.947				3.947	E5	0.00

(#) = Out of Range

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Thu Mar 19 15:21:40 2009

Calibration Files
P005 =U0318867.D P025 =U0318866.D P050 =U0318865.D
P075 =U0318864.D P100 =U0318863.D P001 =U0318868.D

Compound	P005	P025	P050	P075	P100	P001	Avg	%RSD
38) L8 AR1268 {3}			2.543				2.543 E6	0.00
39) L8 AR1268 {4}			6.615				6.615 E5	0.00
40) L8 AR1268 {5}			8.194				8.194 E5	0.00
41) L9 AR1262#2			1.887				1.887 E6	0.00
42) L9 AR1262{2}#2			2.998				2.998 E6	0.00
43) L9 AR1262{3}#2			1.998				1.998 E6	0.00
44) L9 AR1262{4}#2			2.910				2.910 E6	0.00
45) L9 AR1262{5}#2			1.482				1.482 E6	0.00

(#) = Out of Range

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318895.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\031909\U0318895.D\ECD2B.CH
Acq On : 3-19-09 08:08:47 Operator: RP
Sample : AR2154-5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:13 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.40	7.20	682.7E6	1468.3E6	55.434	63.753
Spiked Amount 20.000 Range 30 - 150 Recovery =					277.17%#	318.77%#
2) S Decachlorobiphen	23.97	24.79	410.1E6	716.6E6	38.744	45.786
Spiked Amount 20.000 Range 30 - 150 Recovery =					193.72%#	228.93%#
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
8) L2 AR1221	8.03	8.23	107.6E6	264.4E6	1012.399	1031.463
9) L2 AR1221 {2}	8.58	8.76	58456914	169.8E6	878.041	979.045
10) L2 AR1221 {3}	8.75	8.99	274.6E6	683.8E6	945.166	1030.326
Sum AR1221			440.7E6	1118.1E6	2835.606	3040.833
Average AR1221					945.202	1013.611
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
26) L6 AR1254	14.69	15.04	327.8E6	705.0E6	1007.862	1045.518
27) L6 AR1254 {2}	15.26	15.54	507.7E6	735.4E6	1037.935	1035.184
28) L6 AR1254 {3}	16.40	16.90	489.3E6	1221.6E6	1031.228	1097.338
29) L6 AR1254 {4}	17.27	17.63	603.3E6	1068.1E6	1031.357	1122.870
30) L6 AR1254 {5}	18.23	19.47	196.2E6	1062.7E6	1029.689	1226.084
Sum AR1254			2124.3E6	4792.8E6	5138.071	5526.994
Average AR1254					1027.614	1105.399
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318895.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\031909\U0318895.D\ECD2B.CH
Acq On : 3-19-09 08:08:47 Operator: RP
Sample : AR2154-5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:13 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

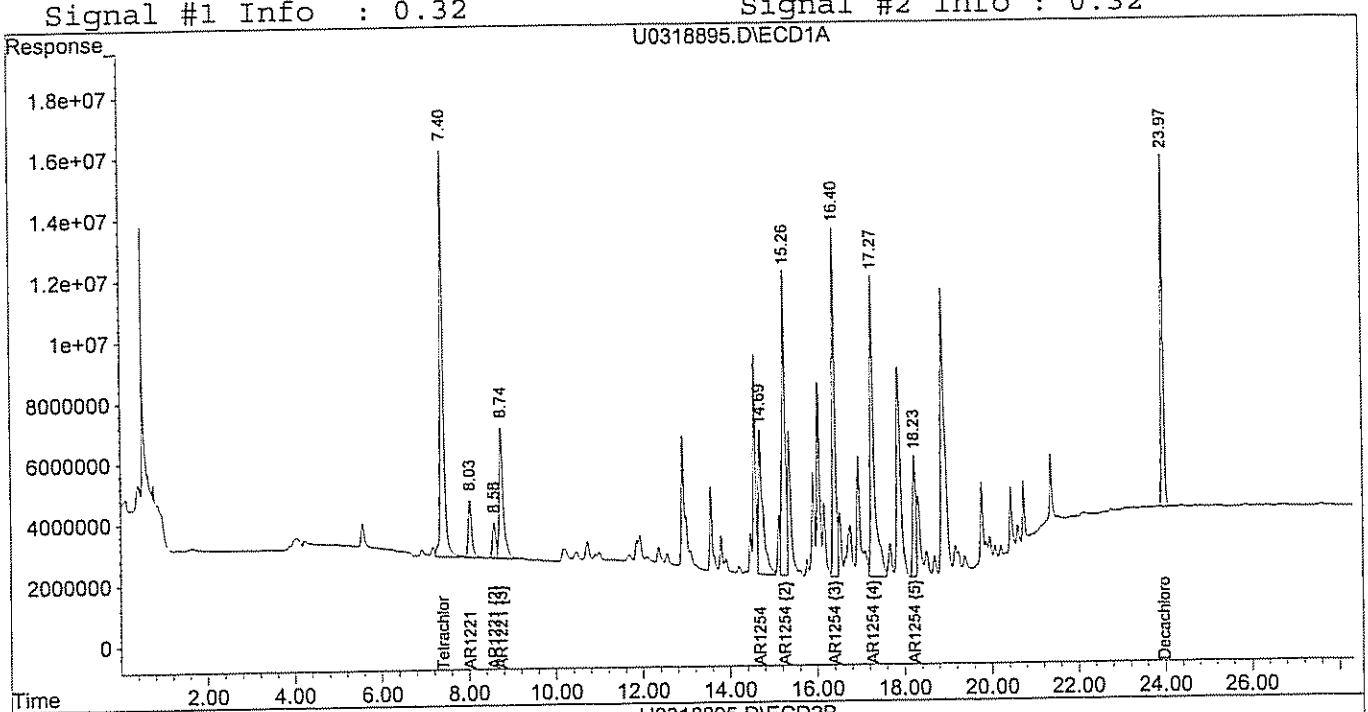
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

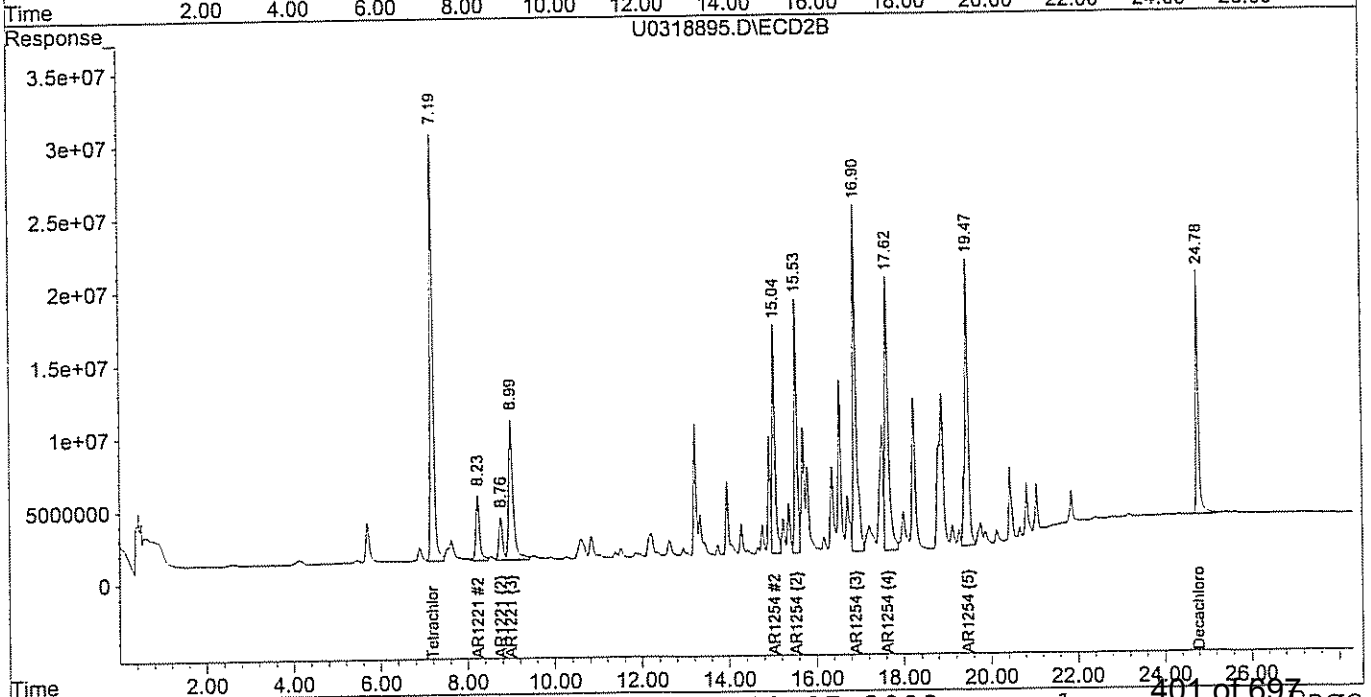
Quantitation Report

Signal #1 : H:\GCDATA\U\031909\U0318895.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\031909\U0318895.D\ECD2B.CH
Acq On : 3-19-09 08:08:47 Operator: RP
Sample : AR2154-5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:13 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318896.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\U\031909\U0318896.D\ECD2B.CH
Acq On : 3-19-09 08:40:54 Operator: RP
Sample : AR2154-4 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:20 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.38f	7.20	503.0E6	1083.2E6	39.857	46.086
Spiked Amount 20.000 Range 30 - 150 Recovery =					199.29%#	230.43%#
2) S Decachlorobiphen	23.96	24.78	327.9E6	560.2E6	32.522m	37.472
Spiked Amount 20.000 Range 30 - 150 Recovery =					162.61%#	187.36%#
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
8) L2 AR1221	8.01f	8.23	79586129	204.6E6	744.282	785.885
9) L2 AR1221 {2}	8.56f	8.76	45286742	132.1E6	724.394	769.746
10) L2 AR1221 {3}	8.73f	8.99	206.9E6	527.1E6	732.215	782.367
Sum AR1221			331.8E6	863.9E6	2200.891	2337.998
Average AR1221					733.630	779.333
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
26) L6 AR1254	14.68	15.04	257.1E6	545.5E6	787.435	790.922
27) L6 AR1254 {2}	15.25	15.53	398.3E6	573.8E6	799.144	793.750
28) L6 AR1254 {3}	16.39	16.90	384.0E6	946.4E6	796.875	810.695
29) L6 AR1254 {4}	17.26	17.62	465.6E6	820.3E6	783.660	812.446
30) L6 AR1254 {5}	18.22	19.47	149.4E6	810.1E6	772.752	839.733
Sum AR1254			1654.5E6	3696.1E6	3939.867	4047.546
Average AR1254					787.973	809.509
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318896.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\U\031909\U0318896.D\ECD2B.CH
Acq On : 3-19-09 08:40:54 Operator: RP
Sample : AR2154-4 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:20 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

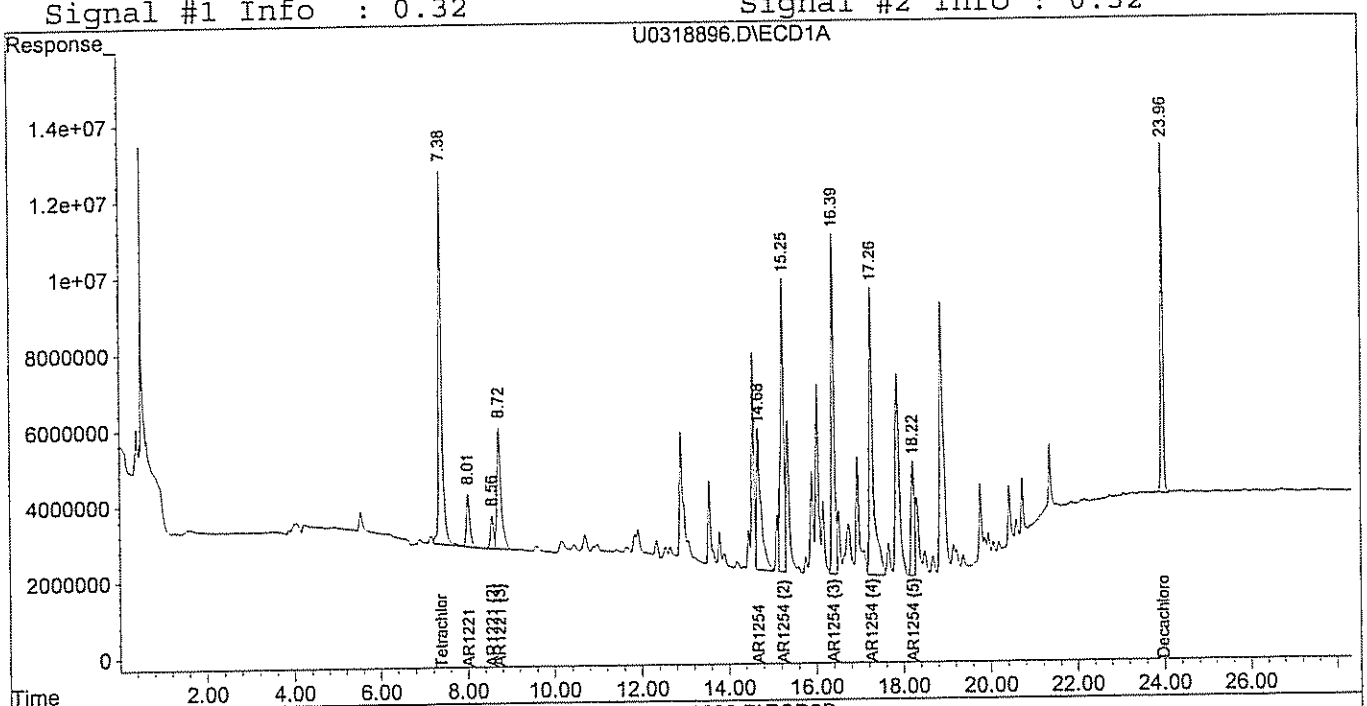
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

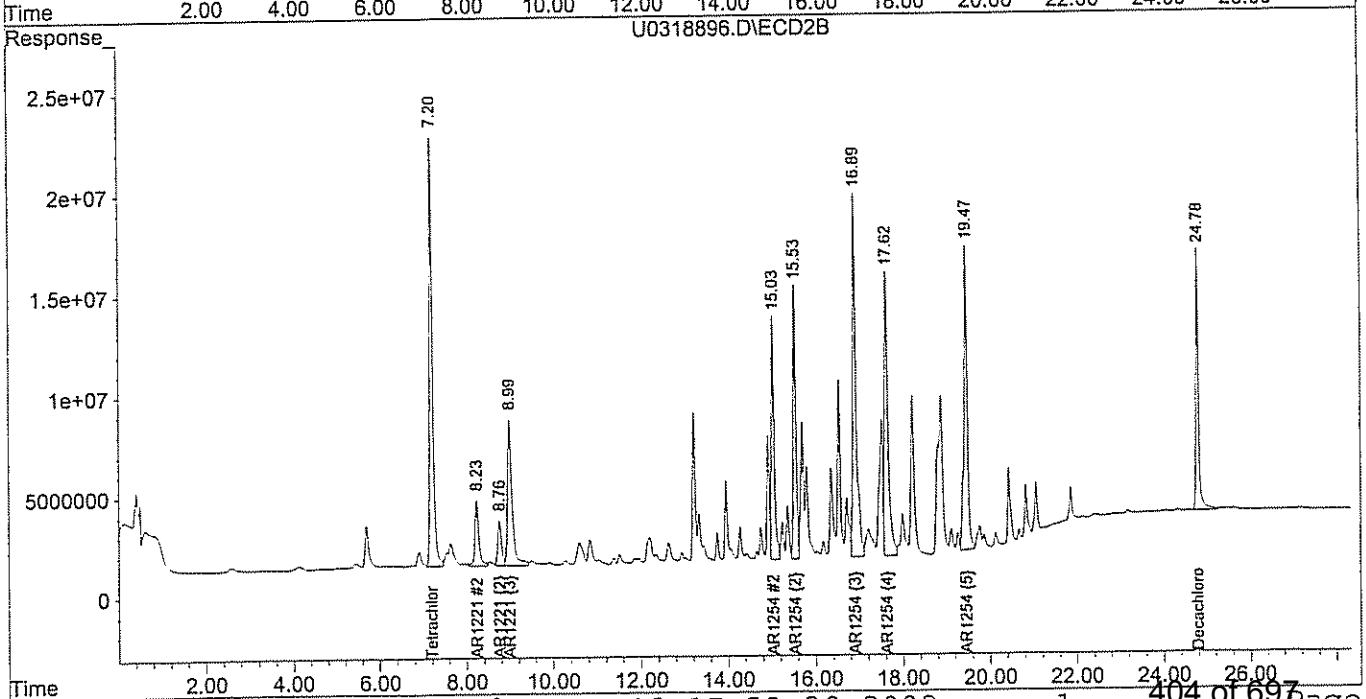
Quantitation Report

Signal #1 : H:\GCDATA\U\031909\U0318896.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\U\031909\U0318896.D\ECD2B.CH
Acq On : 3-19-09 08:40:54 Operator: RP
Sample : AR2154-4 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:20 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318894.D\ECD1A.CH Vial: 36
Signal #2 : H:\GCDATA\U\031909\U0318894.D\ECD2B.CH
Acq On : 3-19-09 07:23:28 Operator: RP
Sample : AR2154-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:14 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.40	7.19	336.0E6	676.9E6	25.746	27.889
Spiked Amount 20.000 Range 30 - 150 Recovery =					128.73%	139.45%
2) S Decachlorobiphen	23.97	24.78	190.1E6	304.0E6	19.037	20.453
Spiked Amount 20.000 Range 30 - 150 Recovery =					95.19%	102.27%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
8) L2 AR1221	8.02	8.22	53135592	128.2E6	498.185	484.528
9) L2 AR1221 {2}	8.58	8.75	33288277	86734625	538.599	500.899
10) L2 AR1221 {3}	8.74	8.98	145.3E6	331.8E6	518.191	485.547
Sum AR1221			231.7E6	546.8E6	1554.976	1470.974
Average AR1221					518.325	490.325
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
26) L6 AR1254	14.69	15.03	162.6E6	337.2E6	489.891	480.141
27) L6 AR1254 {2}	15.26	15.53	244.6E6	355.2E6	480.204	481.984
28) L6 AR1254 {3}	16.40	16.89	237.2E6	556.6E6	482.266	464.271
29) L6 AR1254 {4}	17.27	17.62	292.5E6	475.6E6	485.026	458.340
30) L6 AR1254 {5}	18.23	19.47	95275014	433.4E6	487.754	431.991
Sum AR1254			1032.2E6	2157.9E6	2425.141	2316.727
Average AR1254					485.028	463.345
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318894.D\ECD1A.CH Vial: 36
Signal #2 : H:\GCDATA\U\031909\U0318894.D\ECD2B.CH
Acq On : 3-19-09 07:23:28 Operator: RP
Sample : AR2154-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:14 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

Quantitation Report

Signal #1 : H:\GCDATA\U\031909\U0318894.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031909\U0318894.D\ECD2B.CH
Acq On : 3-19-09 07:23:28
Sample : AR2154-3
Misc : 8082 STD

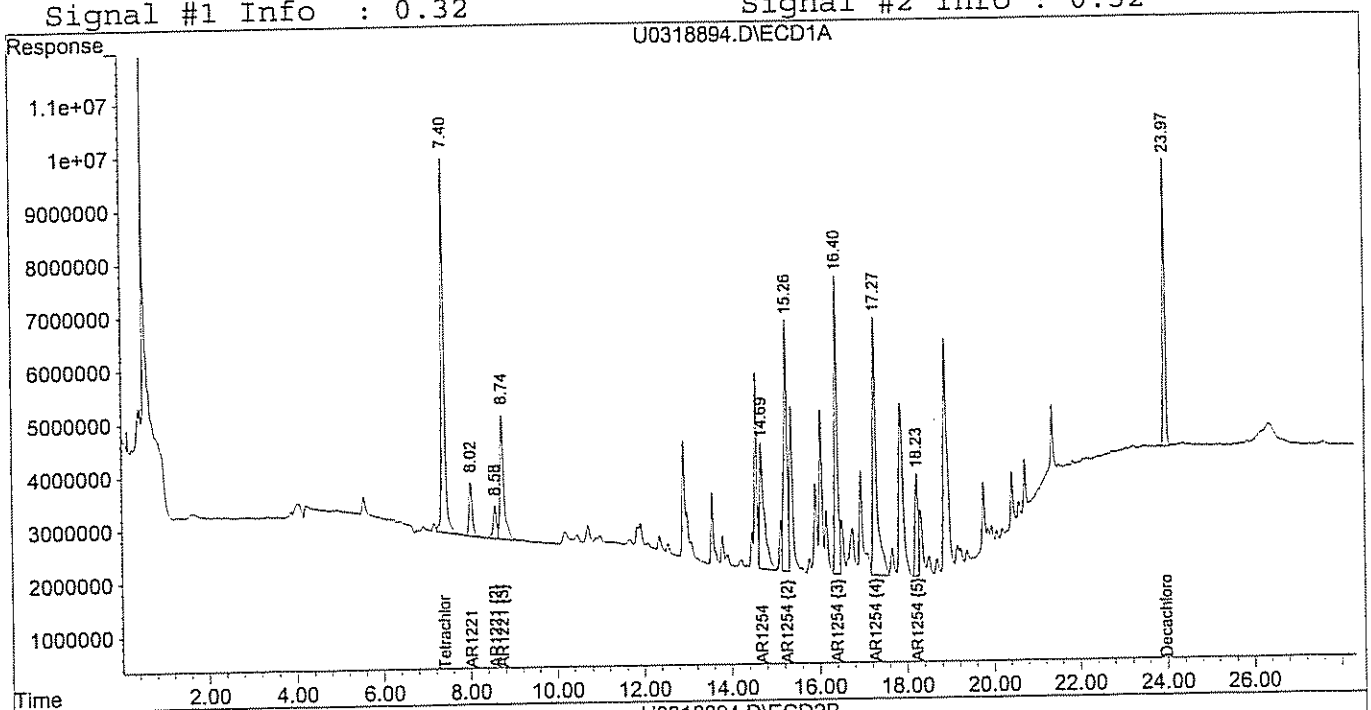
Vial: 36
Operator: RP
Inst : Instrumen
Multiplr: 1.00

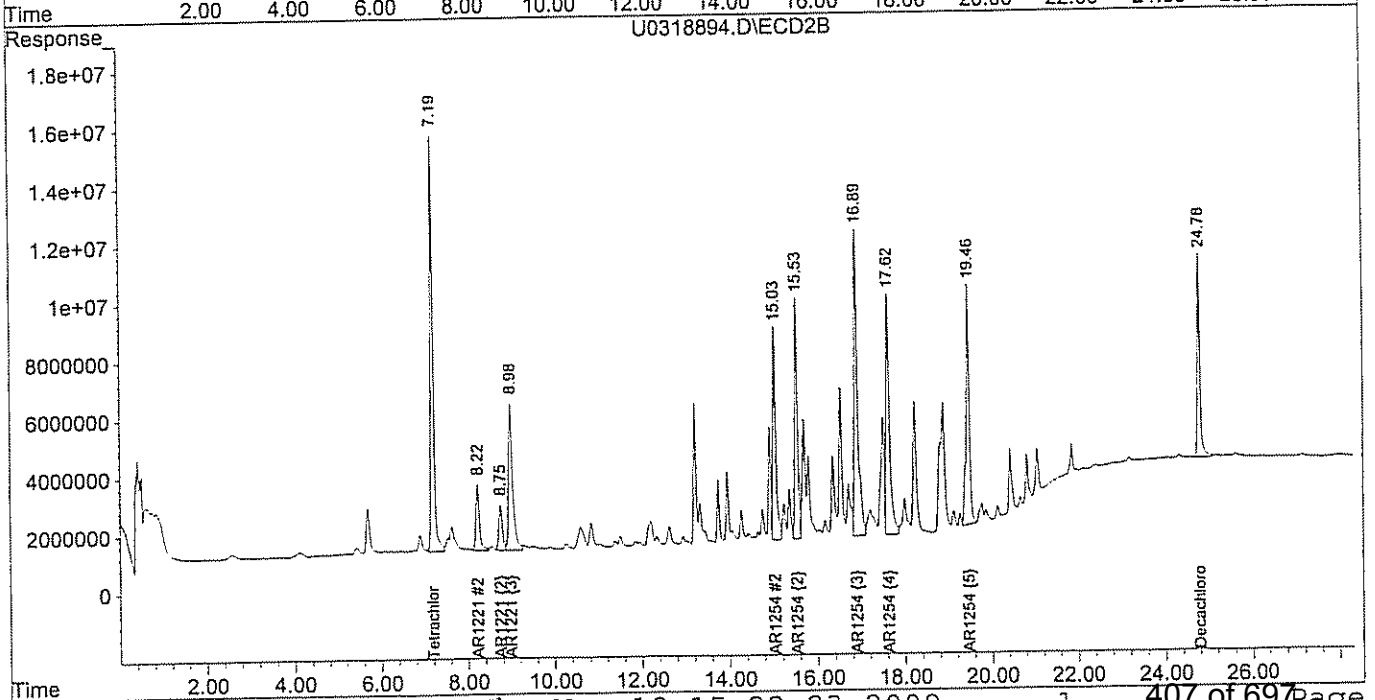
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:14 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318897.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\U\031909\U0318897.D\ECD2B.CH
Acq On : 3-19-09 09:12:54 Operator: RP
Sample : AR2154-2 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:15 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.38	7.20	156.7E6	300.0E6	12.006	12.360
Spiked Amount 20.000 Range 30 - 150 Recovery =					60.03%	61.80%
2) S Decachlorobiphen	23.96	24.78	138.5E6	218.2E6	13.868m	14.677
Spiked Amount 20.000 Range 30 - 150 Recovery =					69.34%	73.39%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
8) L2 AR1221	8.01	8.23	24300575	72168075	227.836	272.789
9) L2 AR1221 {2}	8.56f	8.76	17066982	48006296	276.141	277.240
10) L2 AR1221 {3}	8.73	8.99	76759904	183.5E6	273.779	268.549
Sum AR1221			118.1E6	303.7E6	777.756	818.577
Average AR1221					259.252	272.859
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
26) L6 AR1254	14.68	15.04	96832867	204.2E6	291.716	290.735
27) L6 AR1254 {2}	15.25	15.54	152.1E6	202.5E6	298.674	274.751
28) L6 AR1254 {3}	16.39	16.90	143.9E6	316.3E6	292.503	263.862
29) L6 AR1254 {4}	17.26	17.63	174.3E6	280.5E6	289.005	270.349
30) L6 AR1254 {5}	18.22	19.47	55678142	269.4E6	285.041	268.548
Sum AR1254			622.8E6	1272.9E6	1456.939	1368.245
Average AR1254					291.388	273.649
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318897.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\U\031909\U0318897.D\ECD2B.CH
Acq On : 3-19-09 09:12:54 Operator: RP
Sample : AR2154-2 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:15 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

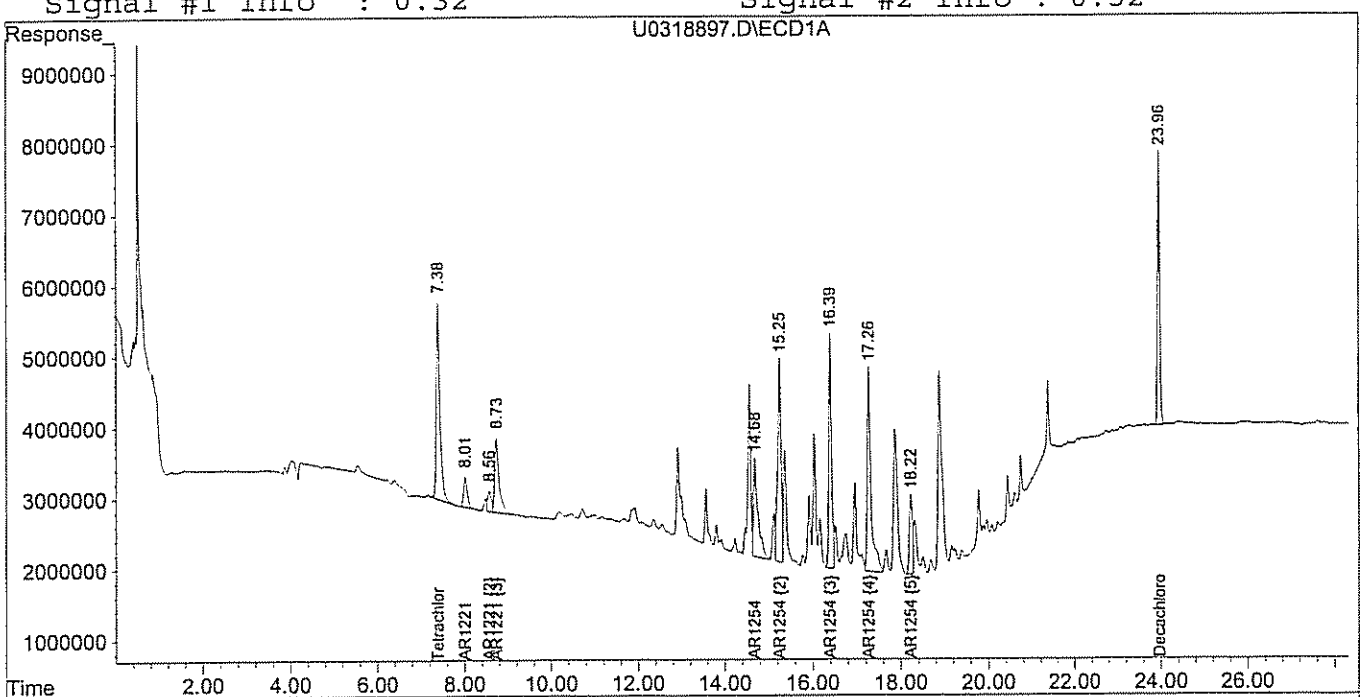
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
U0318897.D 031809U.M Thu Mar 19 15:22:33 2009 1 Page 2

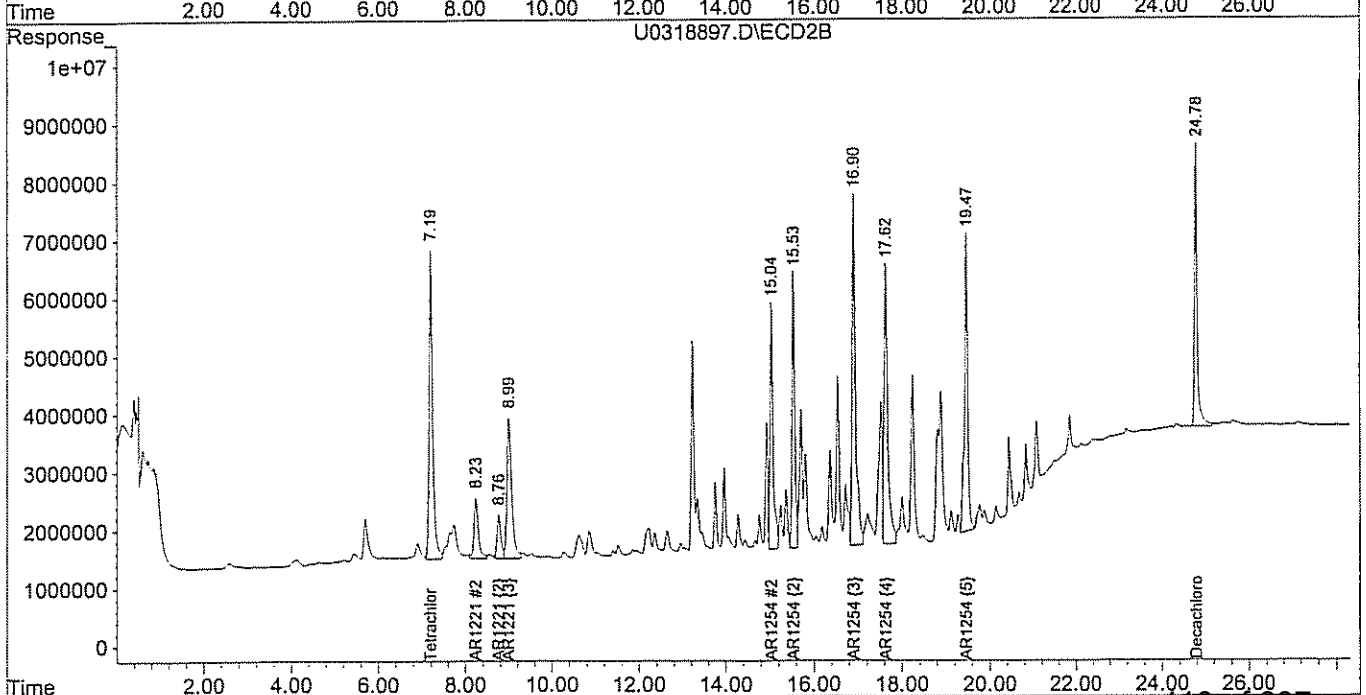
Quantitation Report

Signal #1 : H:\GCDATA\U\031909\U0318897.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\U\031909\U0318897.D\ECD2B.CH
Acq On : 3-19-09 09:12:54 Operator: RP
Sample : AR2154-2 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:15 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318898.D\ECD1A.CH Vial: 4
Signal #2 : H:\GCDATA\U\031909\U0318898.D\ECD2B.CH
Acq On : 3-19-09 09:45:00 Operator: RP
Sample : AR2154-1 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:17 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.19	61249720	110.8E6	4.622	4.518
Spiked Amount 20.000 Range 30 - 150 Recovery =					23.11%#	22.59%#
2) S Decachlorobiphen	23.96	24.78	60807960	91092367	6.085m	6.012
Spiked Amount 20.000 Range 30 - 150 Recovery =					30.43%	30.06%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
8) L2 AR1221	8.01	8.23	9558353	30268174	91.648	111.862
9) L2 AR1221 {2}	8.56	8.76	6007022	21566689	94.717m	121.246 #
10) L2 AR1221 {3}	8.73	8.99	31712090	80081402	110.480	115.040
Sum AR1221			47277465	131.9E6	296.845	348.148
Average AR1221					98.948	116.049
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
26) L6 AR1254	14.68	15.04	41368118	104.6E6	119.634	143.134
27) L6 AR1254 {2}	15.25	15.53	77596098	108.5E6	145.285	143.657
28) L6 AR1254 {3}	16.39	16.90	74010233	168.1E6	144.310	138.260
29) L6 AR1254 {4}	17.26	17.62	89736573	145.8E6	143.220	137.700
30) L6 AR1254 {5}	18.22	19.47	27438653	141.0E6	135.715	137.944
Sum AR1254			310.1E6	667.9E6	688.163	700.695
Average AR1254					137.633	140.139
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318898.D\ECD1A.CH Vial: 4
Signal #2 : H:\GCDATA\U\031909\U0318898.D\ECD2B.CH
Acq On : 3-19-09 09:45:00 Operator: RP
Sample : AR2154-1 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:17 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

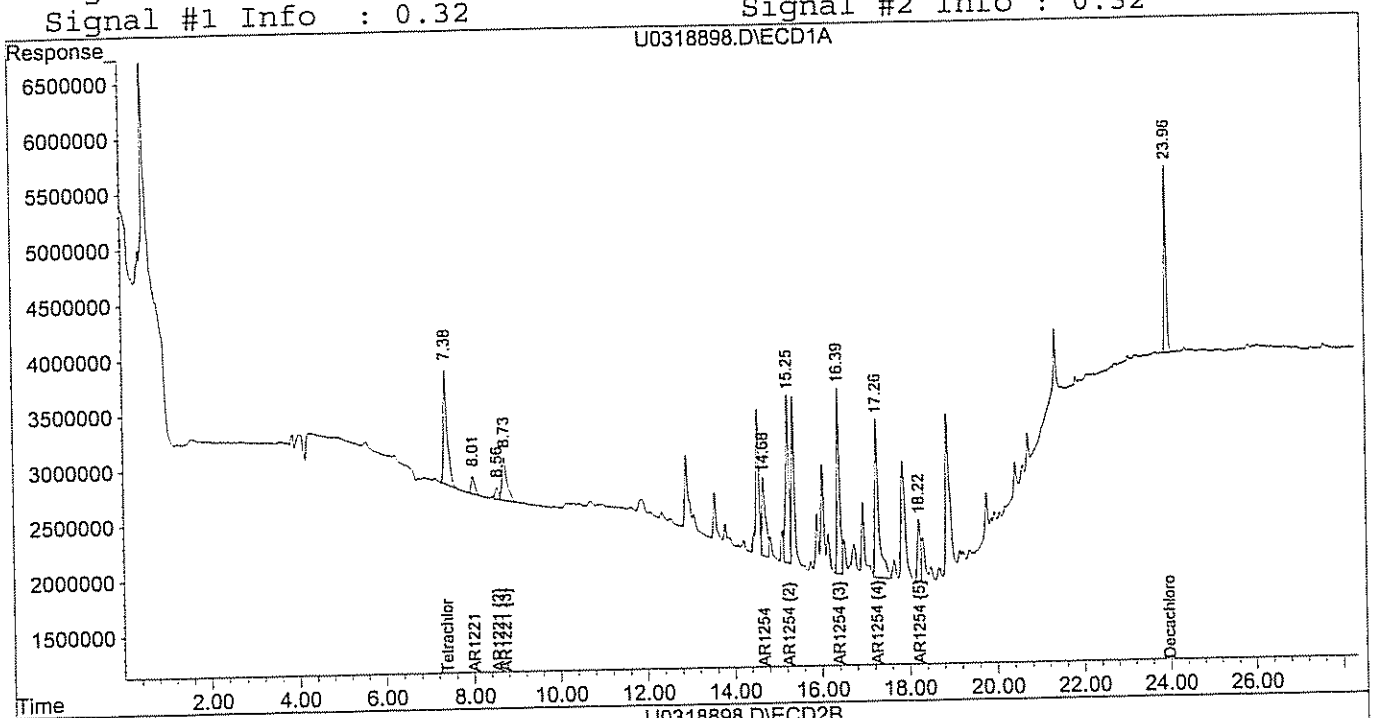
Quantitation Report

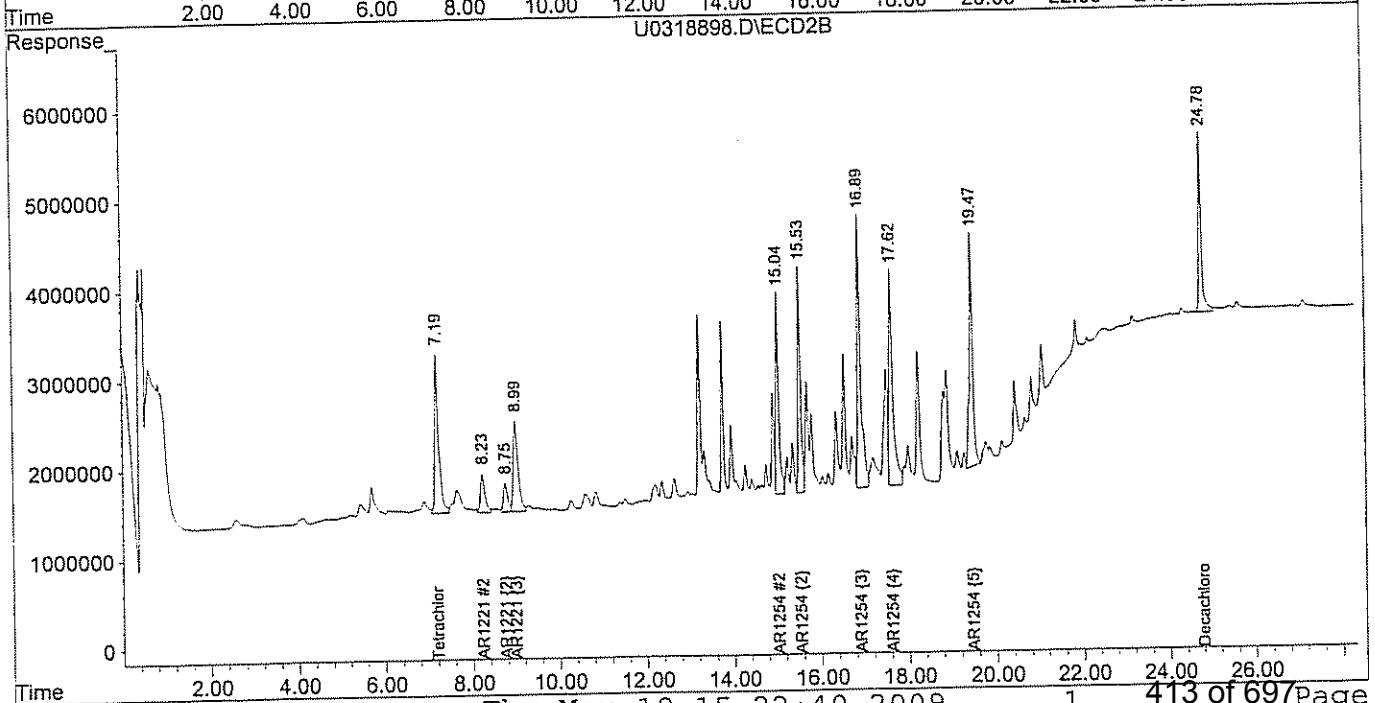
Signal #1 : H:\GCDATA\U\031909\U0318898.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031909\U0318898.D\ECD2B.CH
Acq On : 3-19-09 09:45:00
Sample : AR2154-1
Misc : 8082 STD
IntFile Signal #1: autoint1.e
Quant Time: Mar 19 14:17 2009

Vial: 4
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318899.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\U\031909\U0318899.D\ECD2B.CH
Acq On : 3-19-09 10:17:03 Operator: RP
Sample : AR2154-0.5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:19 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	31586557	55987802	2.388	2.242
Spiked Amount 20.000 Range 30 - 150 Recovery =					11.94%#	11.21%#
2) S Decachlorobiphen	23.96	24.78	33401392	49385551	3.370m	3.216
Spiked Amount 20.000 Range 30 - 150 Recovery =					16.85%#	16.08%#
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
8) L2 AR1221	8.02	8.24	5269564	17278879	51.384m	62.378
9) L2 AR1221 {2}	8.57	8.77	2910838	12060309	46.387m	65.039 #
10) L2 AR1221 {3}	8.73	9.00	16462702	43063579	56.176m	60.056
Sum AR1221			24643104	72402767	153.948	187.472
Average AR1221					51.316	62.491
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
26) L6 AR1254	14.69	15.04	17472956	47186621	48.621m	59.440
27) L6 AR1254 {2}	15.25	15.54	30916020	46156141	53.078	56.211
28) L6 AR1254 {3}	16.39	16.90	28605302	71423546	51.236m	54.583
29) L6 AR1254 {4}	17.26	17.62	36047054	62021385	52.954m	54.469
30) L6 AR1254 {5}	18.23	19.47	10458671	54710097	48.281	49.767
Sum AR1254			123.5E6	281.5E6	254.170	274.471
Average AR1254					50.834	54.894
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031909\U0318899.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\U\031909\U0318899.D\ECD2B.CH
Acq On : 3-19-09 10:17:03 Operator: RP
Sample : AR2154-0.5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:19 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

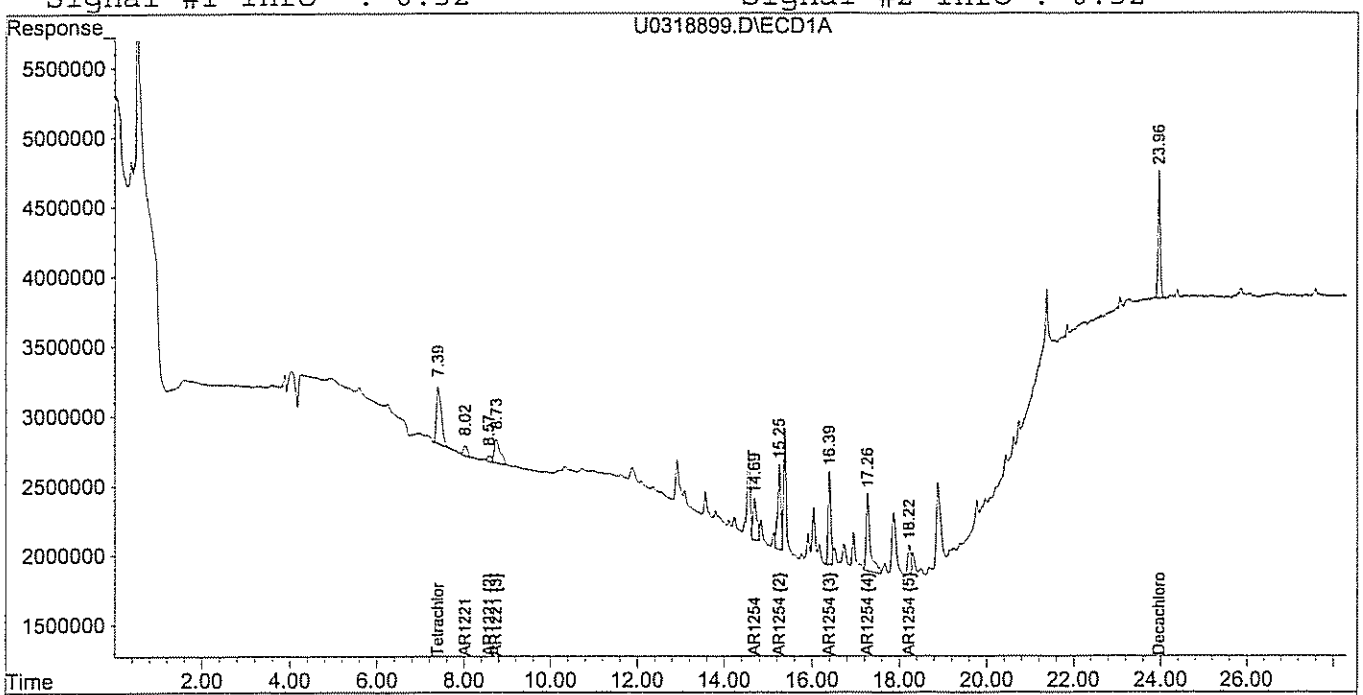
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
U0318899.D 031809U.M Thu Mar 19 15:22:43 2009 1 Page 2

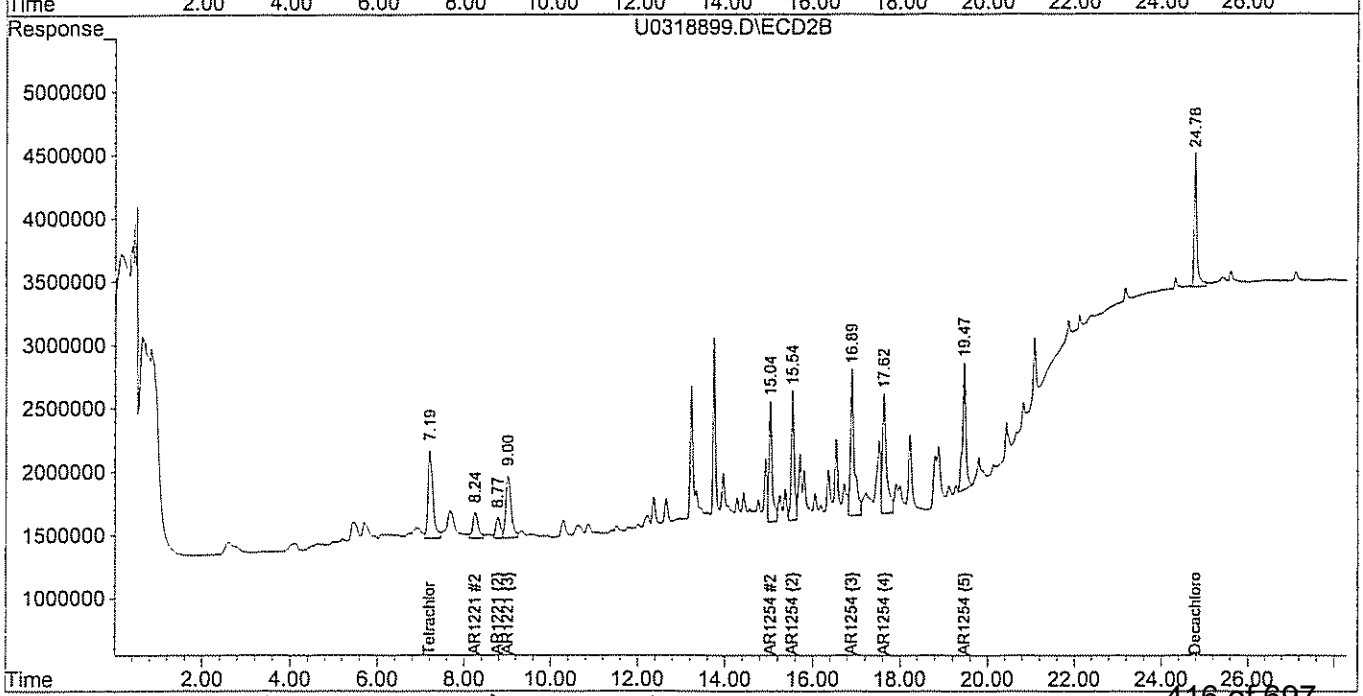
Quantitation Report

Signal #1 : H:\GCDATA\U\031909\U0318899.D\ECD1A.CH Vial: 5
Signal #2 : H:\GCDATA\U\031909\U0318899.D\ECD2B.CH
Acq On : 3-19-09 10:17:03 Operator: RP
Sample : AR2154-0.5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 14:19 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318858.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\U\031809\U0318858.D\ECD2B.CH
Acq On : 3-18-09 08:22:59 Operator: RP
Sample : AR1232-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 10:34 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.40	7.21	291.5E6	594.0E6	25.000	24.669m
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.00%	123.35%
2) S Decachlorobiphen	23.96	24.78	254.2E6	413.0E6	25.038m	24.826m
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.19%	124.13%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
11) L3 AR1232	10.99	11.39	29007337	42888984	500.000	500.000
12) L3 AR1232 {2}	13.09	13.22	29868354	87726384	473.681m	541.151m
13) L3 AR1232 {3}	13.91	14.07	41669429	62000414	500.000	563.701m
14) L3 AR1232 {4}	14.76	14.76	68557185	43411782	500.000	467.074m
15) L3 AR1232 {5}	15.29	15.05	32244327	104.0E6	500.000	485.883m
Sum AR1232			201.3E6	340.0E6	NoCal	NoCal
Average AR1232					494.736	511.562
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

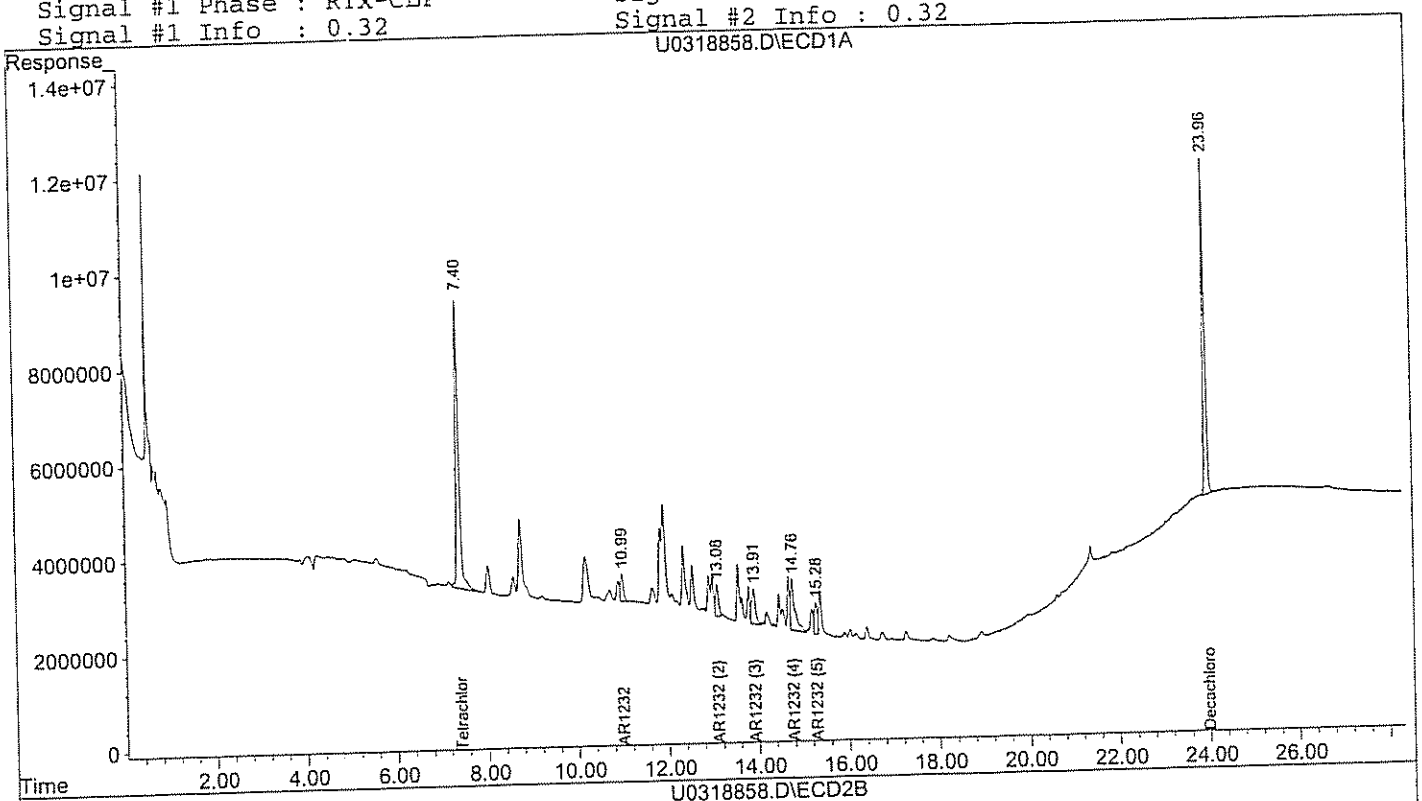
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

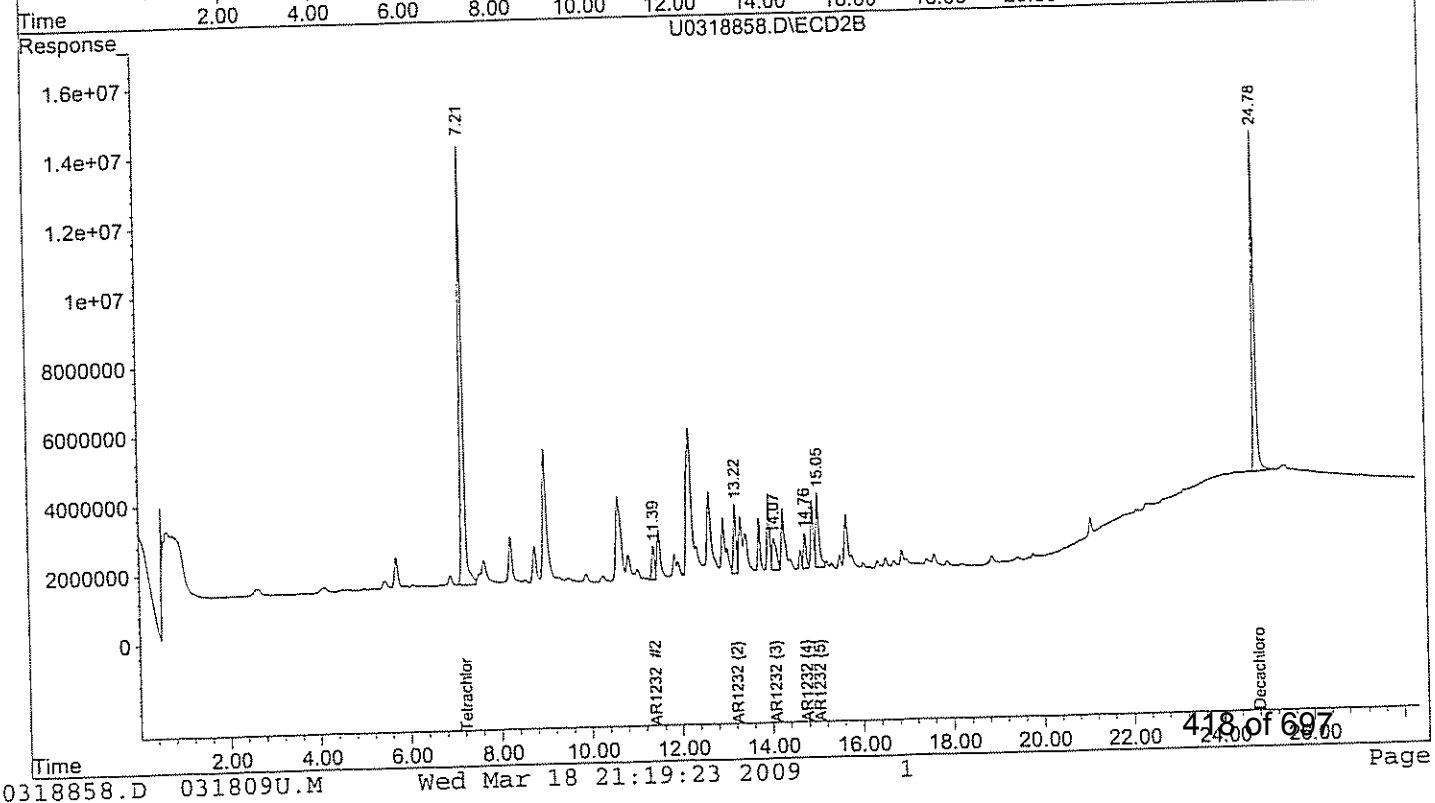
Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318858.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\U\031809\U0318858.D\ECD2B.CH
Acq On : 3-18-09 08:22:59 Operator: RP
Sample : AR1232-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 10:34 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318859.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\U\031809\U0318859.D\ECD2B.CH
Acq On : 3-18-09 08:55:05 Operator: RP
Sample : AR1242-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 11:08 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.40	7.21	299.1E6	627.7E6	25.000	25.000
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.00%	125.00%
2) S Decachlorobiphen	23.96	24.78	271.4E6	433.4E6	25.250m	25.000
Spiked Amount 20.000 Range 30 - 150 Recovery =					126.25%	125.00%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
16) L4 AR1242	10.99	11.52	52289476	141.2E6	500.000	500.000
17) L4 AR1242 (2)	11.92	12.22	182.0E6	717.1E6	492.263m	499.863m
18) L4 AR1242 (3)	13.80	13.22	61431988	171.2E6	519.587	477.733m
19) L4 AR1242 (4)	14.46	14.92	54605066	183.1E6	515.609	494.880m
20) L4 AR1242 (5)	16.39	15.67	32700441	185.6E6	500.000	511.138m
Sum AR1242			383.0E6	1398.1E6	NoCal	NoCal
Average AR1242					505.492	496.723
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318859.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031809\U0318859.D\ECD2B.CH
Acq On : 3-18-09 08:55:05
Sample : AR1242-3
Misc : 8082 STD

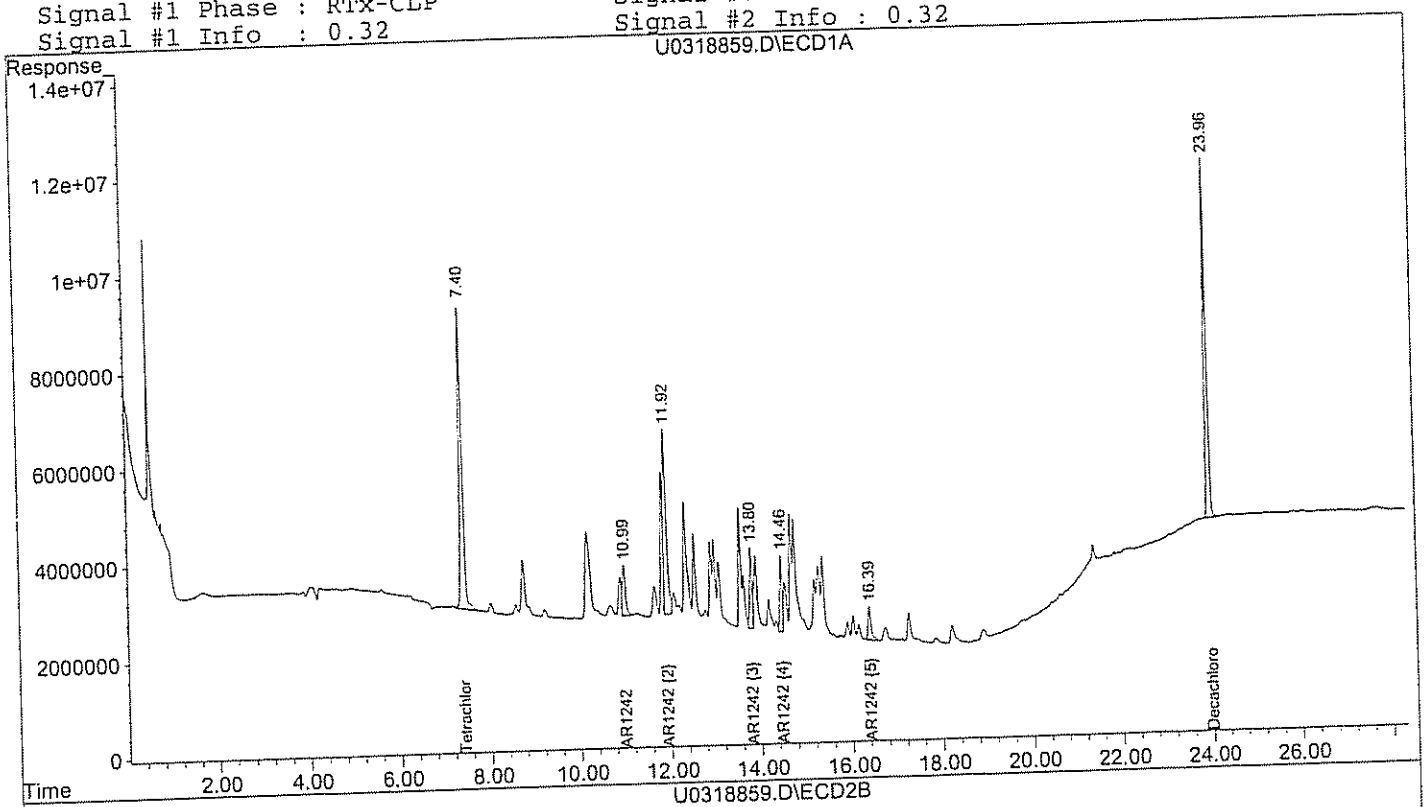
Vial: 3
Operator: RP
Inst : Instrumen
Multiplr: 1.00

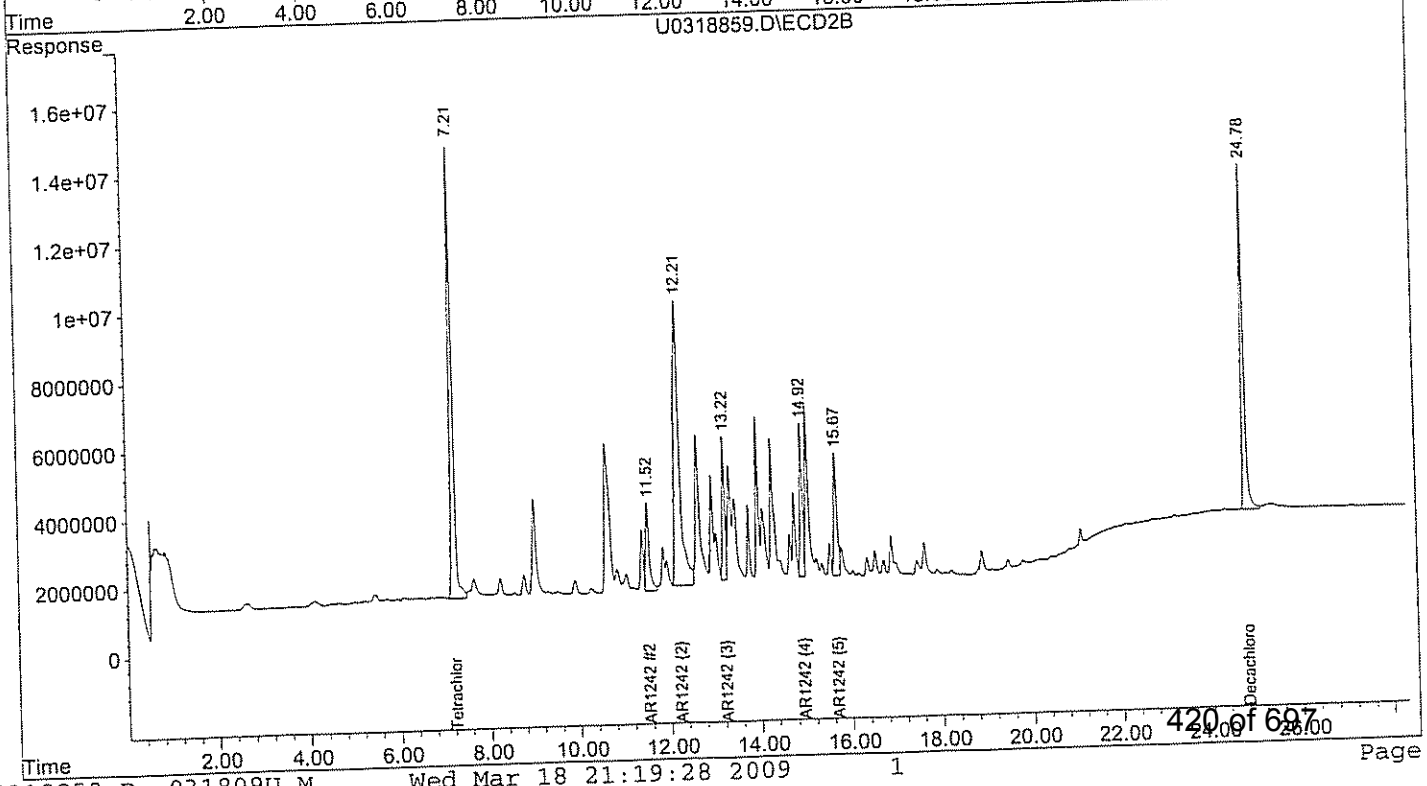
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 11:08 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318860.D\ECD1A.CH Vial: 4
Signal #2 : H:\GCDATA\U\031809\U0318860.D\ECD2B.CH
Acq On : 3-18-09 09:27:04 Operator: RP
Sample : AR1248-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:23 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	333.7E6	713.7E6	27.129	30.662
Spiked Amount 20.000 Range 30 - 150 Recovery =					135.65%	153.31%#
2) S Decachlorobiphen	23.96	24.78	343.3E6	546.0E6	28.521m	31.426m
Spiked Amount 20.000 Range 30 - 150 Recovery =					142.61%	157.13%#
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
21) L5 AR1248	12.90	13.21	124.1E6	319.5E6	501.991m	506.769m
22) L5 AR1248 {2}	14.46	13.95	96158074	365.1E6	486.768m	489.257m
23) L5 AR1248 {3}	16.39	16.89	106.4E6	214.1E6	500.000	495.991m
24) L5 AR1248 {4}	17.26	17.62	83906504	154.3E6	495.004m	485.737m
25) L5 AR1248 {5}	18.22	18.89	71266962	125.2E6	530.121m	500.000
Sum AR1248			481.8E6	1178.2E6	2513.884	2477.754
Average AR1248					502.777	495.551
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
U0318860.D 031809U.M Wed Mar 18 21:27:08 2009 1

Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318860.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031809\U0318860.D\ECD2B.CH
Acq On : 3-18-09 09:27:04
Sample : AR1248-3
Misc : 8082 STD

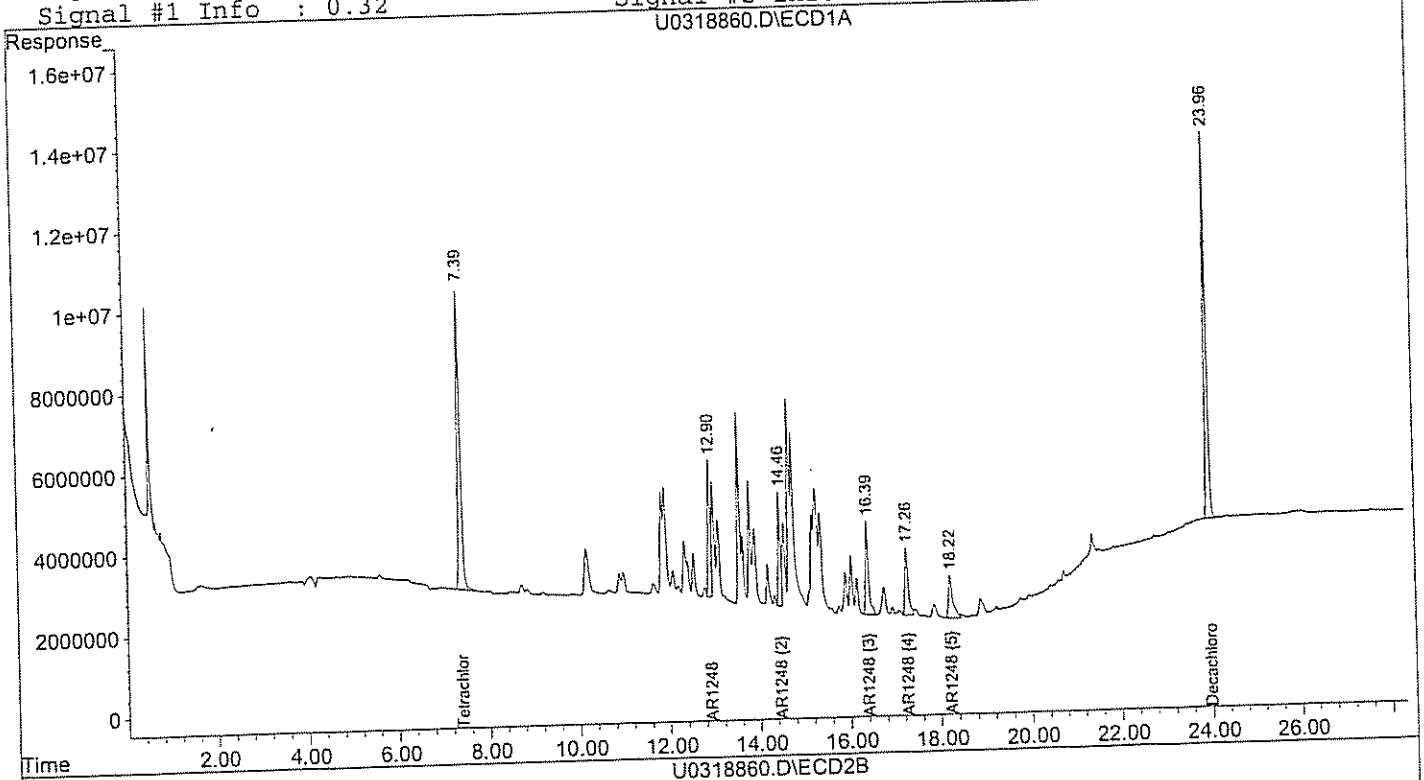
Vial: 4
Operator: RP
Inst : Instrumen
Multiplr: 1.00

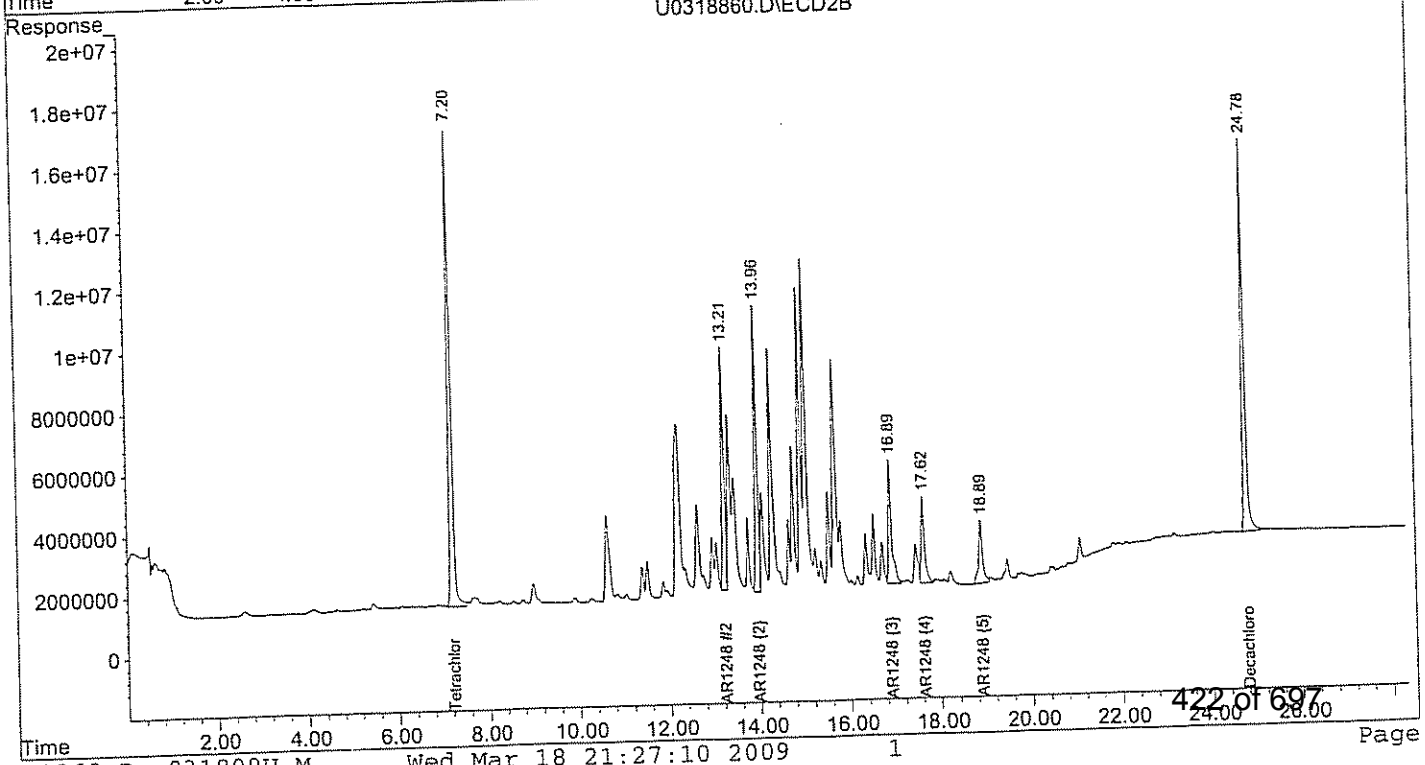
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:23 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Data File : H:\GCDATA\U\031809\U0318861.D\ECD1A.CH
Acq On : 3-18-09 09:59:10
Sample : AR1262-3
Misc : 8082 STD
IntFile : autoint1.e

Vial: 5
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\031809\U0318861.D\ECD2B.CH
Acq On : 3-18-09 09:59:11
Sample : AR1262-3
Misc : 8082 STD
IntFile : autoint2.e

Vial: 5
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Quant Time: Mar 18 12:05 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	373.6E6	810.8E6	25.000	25.000
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.00%	125.00%
2) S Decachlorobiphen	23.96	24.78	396.7E6	643.2E6	25.171m	25.000
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.86%	125.00%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
41) L9 AR1262	17.86	18.23	540.8E6	943.7E6	500.000	500.000
42) L9 AR1262(2)	19.38	19.71	298.7E6	1499.0E6	500.000	500.000
43) L9 AR1262(3)	19.95	20.49	534.6E6	998.9E6	500.000	500.000
44) L9 AR1262(4)	21.52	21.83	531.0E6	1455.2E6	500.000	500.000
45) L9 AR1262(5)	22.75	23.18	396.5E6	741.1E6	500.000	500.000
Sum AR1262			2301.6E6	5637.8E6	2500.000	2500.000
Average AR1262					500.000	500.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
Printed: Wed Mar 18 21:19:36 2009

Quantitation Report

Data File : H:\GCDATA\U\031809\U0318861.D\ECD1A.CH
Acq On : 3-18-09 09:59:10
Sample : AR1262-3
Misc : 8082 STD
IntFile : autoint1.e

Vial: 5
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\031809\U0318861.D\ECD2B.CH
Acq On : 3-18-09 09:59:11
Sample : AR1262-3
Misc : 8082 STD
IntFile : autoint2.e

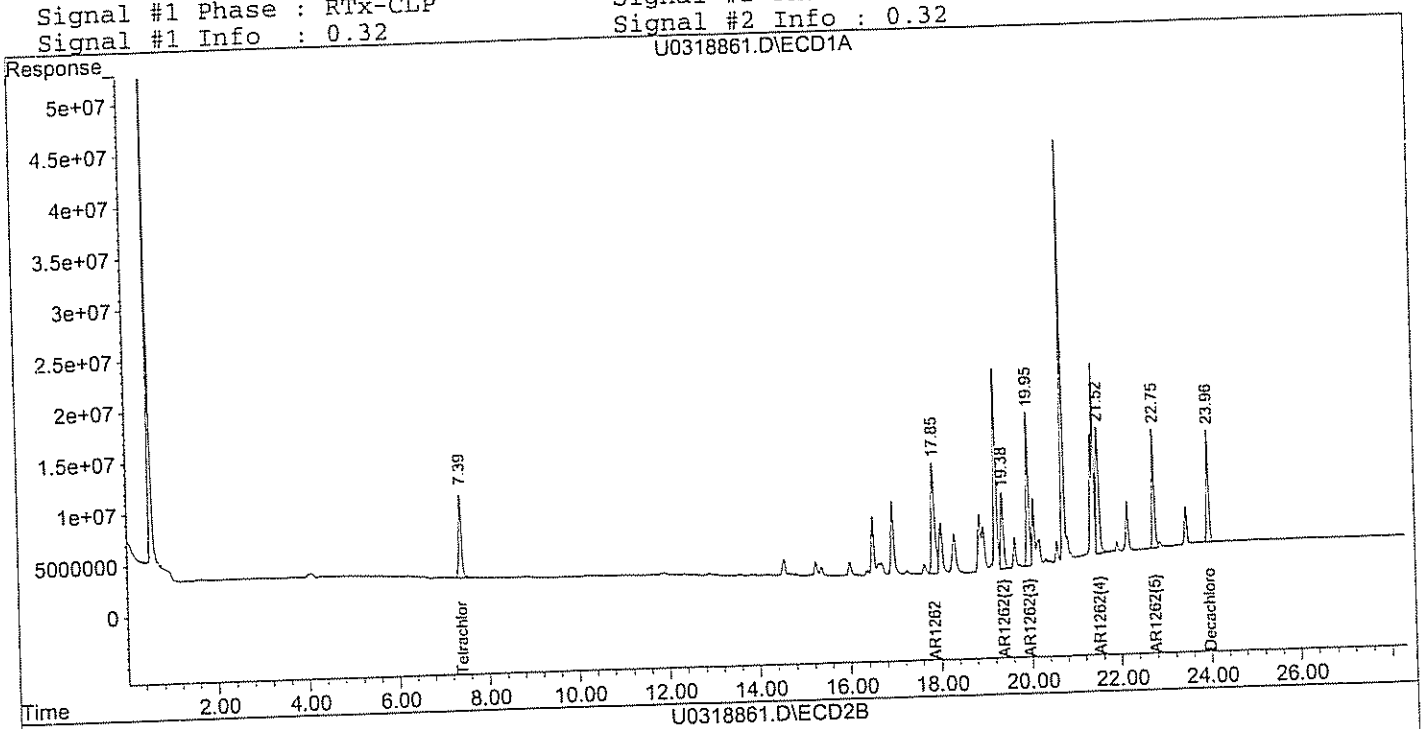
Vial: 5
Operator: RP
Inst : Instrumen
Multiplr: 1.00

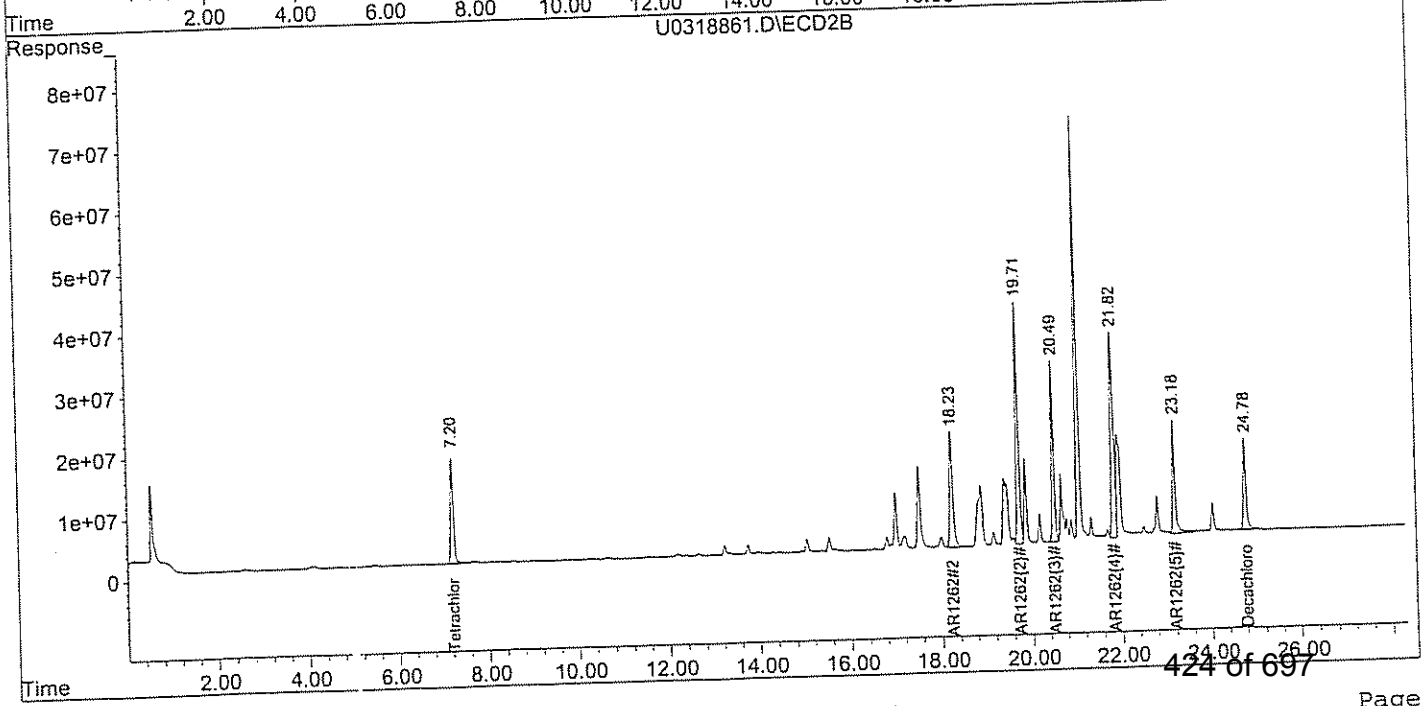
Quant Time: Mar 18 12:05 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318862.D\ECD1A.CH Vial: 6
Signal #2 : H:\GCDATA\U\031809\U0318862.D\ECD2B.CH
Acq On : 3-18-09 10:31:10 Operator: RP
Sample : AR1268-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 12:23 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.40	7.21	311.4E6	664.9E6	25.000	25.000
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.00%	125.00%
2) S Decachlorobiphen	23.96	24.78	609.8E6	1028.3E6	25.000	25.000
Spiked Amount 20.000 Range 30 - 150 Recovery =					125.00%	125.00%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
36) L8 AR1268	19.23	20.49	256.6E6	502.1E6	500.000	500.000
37) L8 AR1268 (2)	19.93	21.05	302.1E6	197.4E6	500.000	500.000
38) L8 AR1268 (3)	20.73	22.51	184.4E6	1271.6E6	500.000	501.085m
39) L8 AR1268 (4)	22.13	22.74	213.1E6	330.8E6	496.871m	487.802m
40) L8 AR1268 (5)	22.75	23.18	274.1E6	409.7E6	500.052m	483.288m
Sum AR1268			1230.3E6	2711.5E6	2496.923	2472.175
Average AR1268					499.385	494.435
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

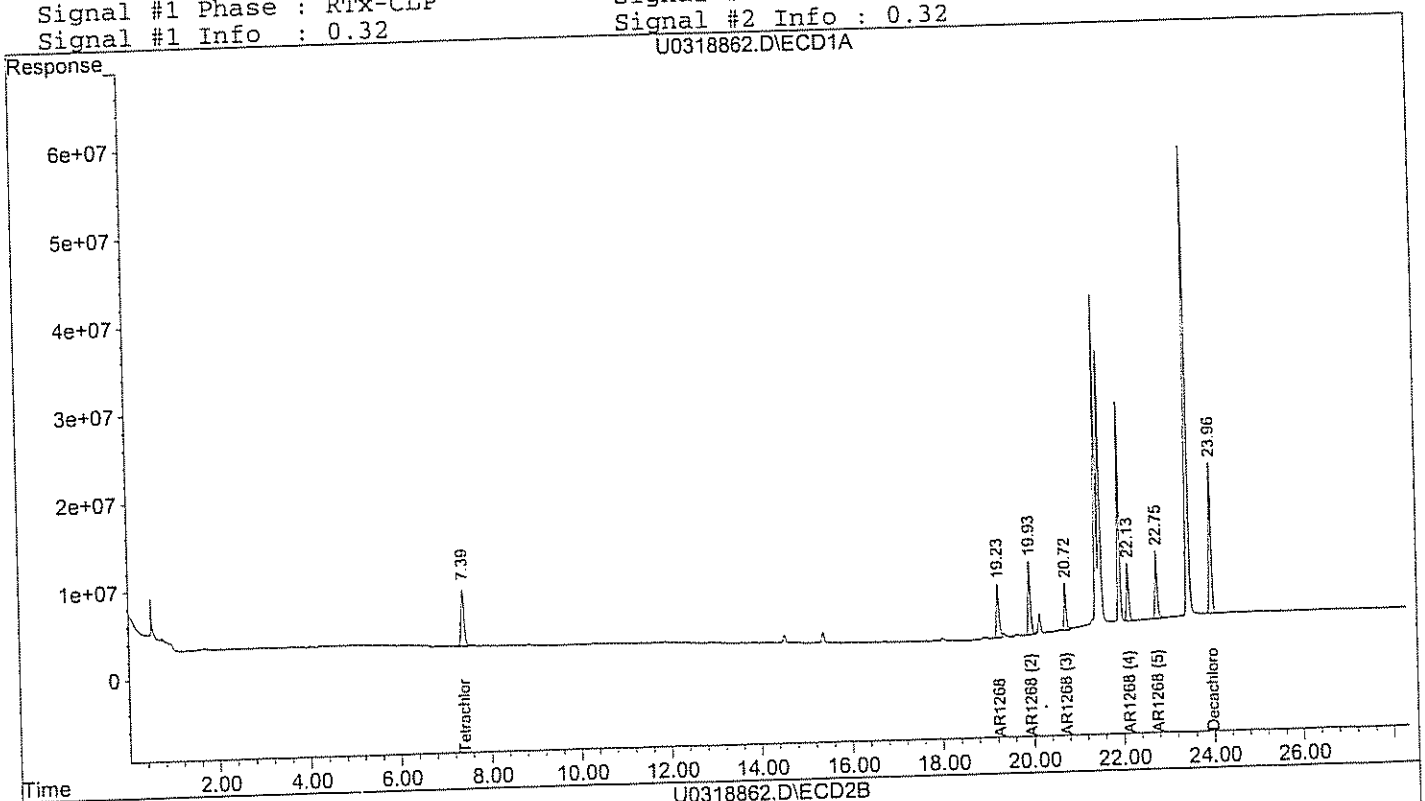
Quantitation Report

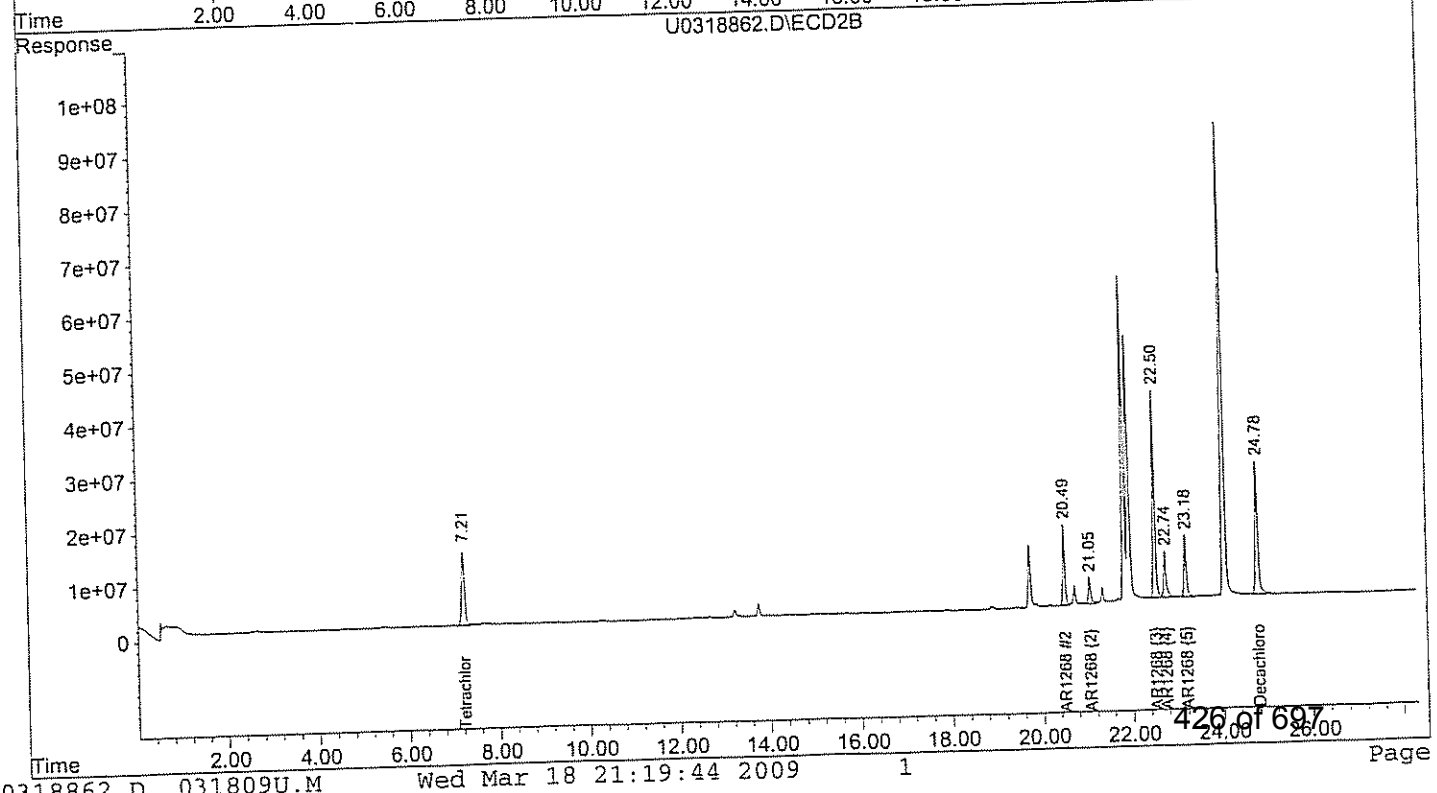
Signal #1 : H:\GCDATA\U\031809\U0318862.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031809\U0318862.D\ECD2B.CH
Acq On : 3-18-09 10:31:10
Sample : AR1268-3
Misc : 8082 STD
IntFile Signal #1: autoint1.e
Quant Time: Mar 18 12:23 2009

Vial: 6
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318863.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\U\031809\U0318863.D\ECD2B.CH
Acq On : 3-18-09 11:03:16 Operator: RP
Sample : AR1660-5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:24 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	590.8E6	1326.4E6	50.021	52.945
Spiked Amount 20.000 Range 30 - 150 Recovery =					250.11%#	264.73%#
2) S Decachlorobiphen	23.95	24.77	561.1E6	926.7E6	54.072m	58.596m
Spiked Amount 20.000 Range 30 - 150 Recovery =					270.36%#	292.98%#
Target Compounds						
3) L1 AR1016	10.17	10.62	347.5E6	850.9E6	909.133	963.458
4) L1 AR1016 (2)	11.91	12.63	541.3E6	802.7E6	1016.596	950.754
5) L1 AR1016 (3)	12.34	12.94	366.4E6	423.2E6	1005.089	1044.455
6) L1 AR1016 (4)	12.54	13.95	247.6E6	546.6E6	1035.229	1008.438
7) L1 AR1016 (5)	13.55	14.27	241.6E6	644.7E6	1014.091	1004.476
Sum AR1016			1744.5E6	3268.0E6	4980.138	4971.582
Average AR1016					996.028	994.316
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.51	598.7E6	1297.6E6	980.013	1030.074
32) L7 AR1260 (2)	17.85	18.22	1150.1E6	1877.2E6	1044.370	1068.057
33) L7 AR1260 (3)	18.87	20.48	1154.0E6	1060.9E6	1023.388	1076.068
34) L7 AR1260 (4)	20.72	21.05	1396.8E6	2763.9E6	1061.669	1108.998
35) L7 AR1260 (5)	21.36	21.85	638.5E6	1575.6E6	1119.832m	1173.782
Sum AR1260			4938.1E6	8575.2E6	5229.272	5456.979
Average AR1260					1045.854	1091.396
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318863.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031809\U0318863.D\ECD2B.CH
Acq On : 3-18-09 11:03:16
Sample : AR1660-5
Misc : 8082 STD

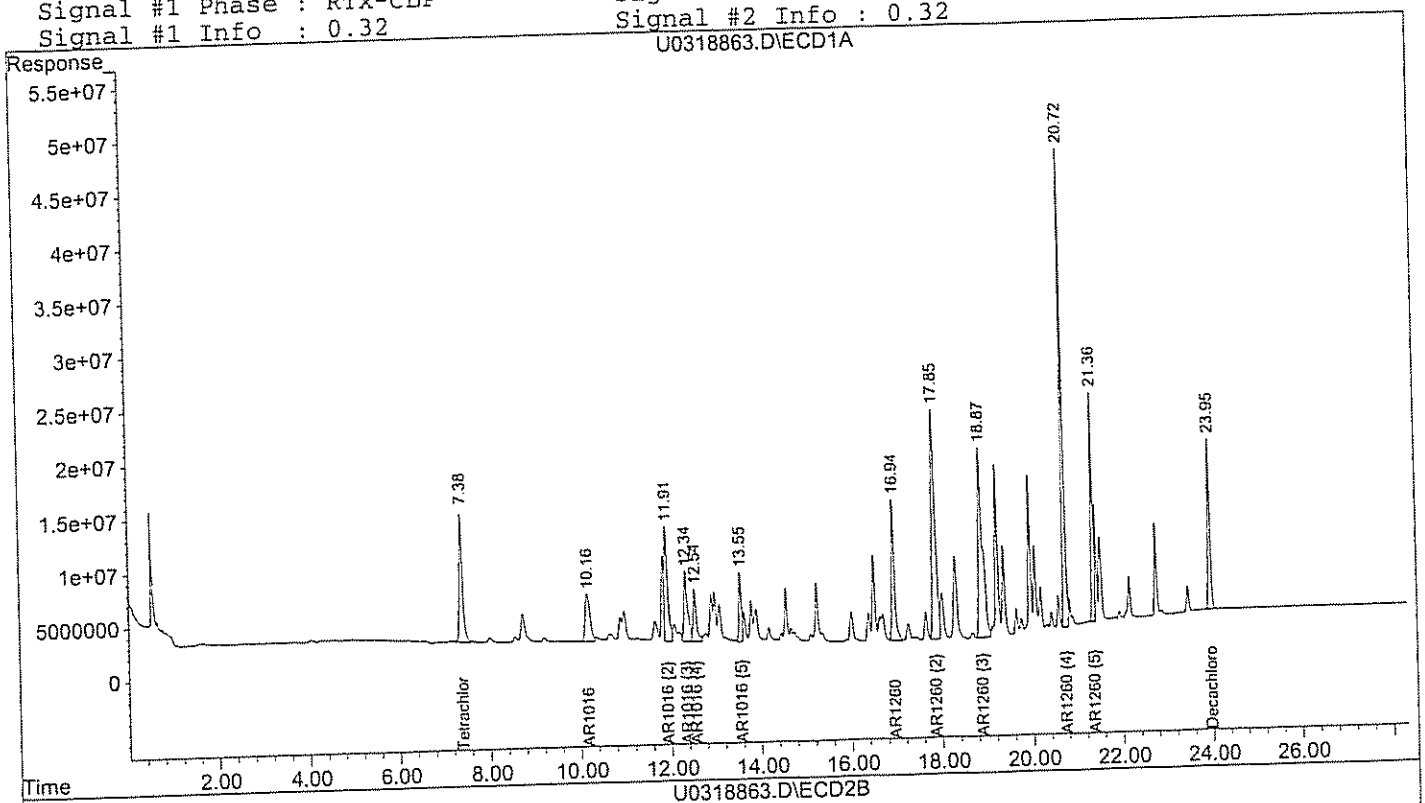
Vial: 7
Operator: RP
Inst : Instrumen
Multiplr: 1.00

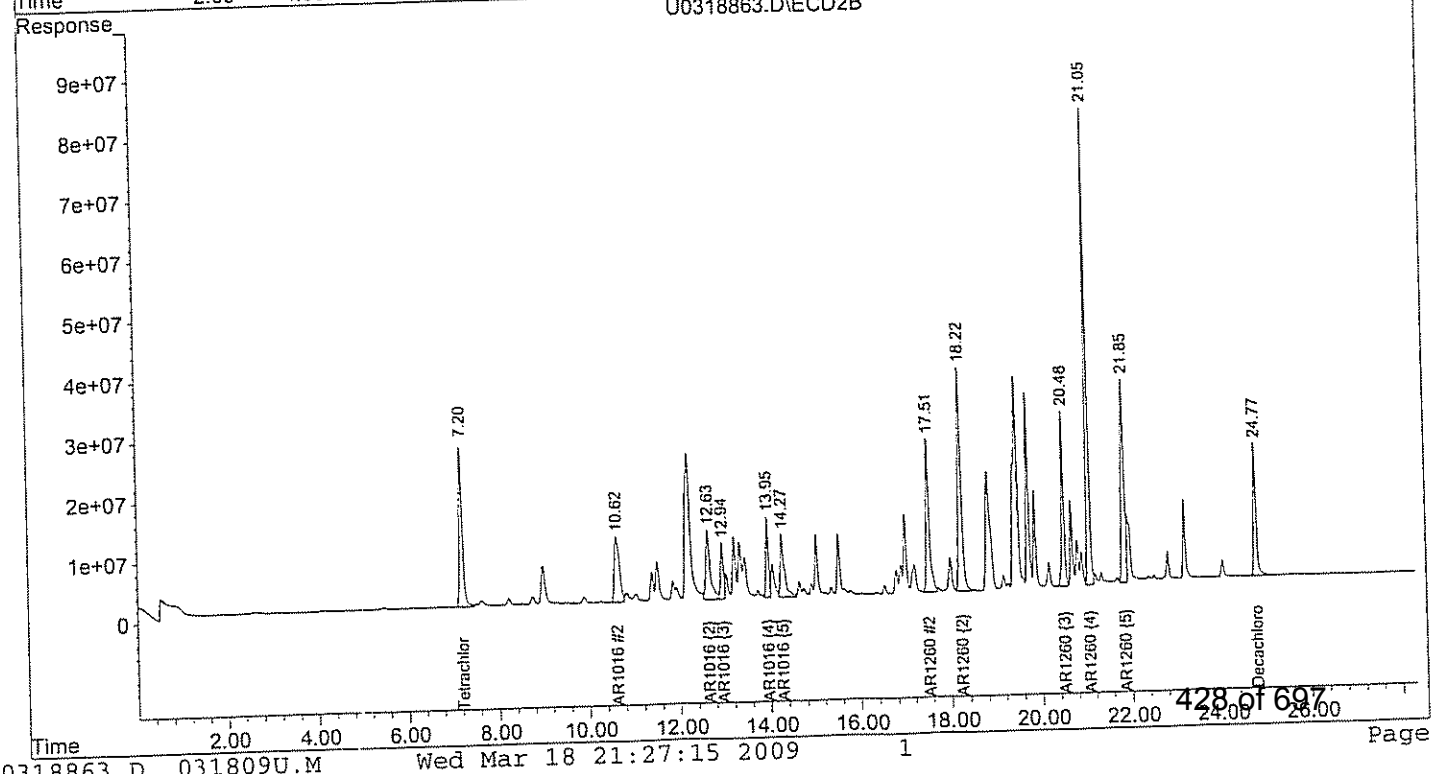
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:24 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318864.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\U\031809\U0318864.D\ECD2B.CH
Acq On : 3-18-09 11:35:17 Operator: RP
Sample : AR1660-4 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:24 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	406.1E6	910.5E6	34.373	35.304
Spiked Amount 20.000 Range 30 - 150 Recovery =					171.87%#	176.52%#
2) S Decachlorobiphen	23.96	24.77	365.6E6	579.5E6	32.334m	33.524
Spiked Amount 20.000 Range 30 - 150 Recovery =					161.67%#	167.62%#
Target Compounds						
3) L1 AR1016	10.17	10.62	250.0E6	604.7E6	685.187	697.487
4) L1 AR1016 (2)	11.91	12.63	383.8E6	584.7E6	714.892	710.078
5) L1 AR1016 (3)	12.34	12.94	268.3E6	291.7E6	733.967	704.450
6) L1 AR1016 (4)	12.54	13.95	182.9E6	383.5E6	751.371	704.589
7) L1 AR1016 (5)	13.55	14.28	171.4E6	450.5E6	714.499	700.352
Sum AR1016			1256.4E6	2315.2E6	3599.916	3516.956
Average AR1016					719.983	703.391
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.51	428.3E6	901.6E6	708.088	705.123
32) L7 AR1260 (2)	17.85	18.22	801.4E6	1282.9E6	711.959	705.901
33) L7 AR1260 (3)	18.87	20.48	809.4E6	709.8E6	709.464	693.583
34) L7 AR1260 (4)	20.72	21.05	957.5E6	1824.8E6	685.734	694.370
35) L7 AR1260 (5)	21.36	21.85	433.9E6	1021.0E6	690.531m	699.800
Sum AR1260			3430.4E6	5740.1E6	3505.777	3498.776
Average AR1260					701.155	699.755
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

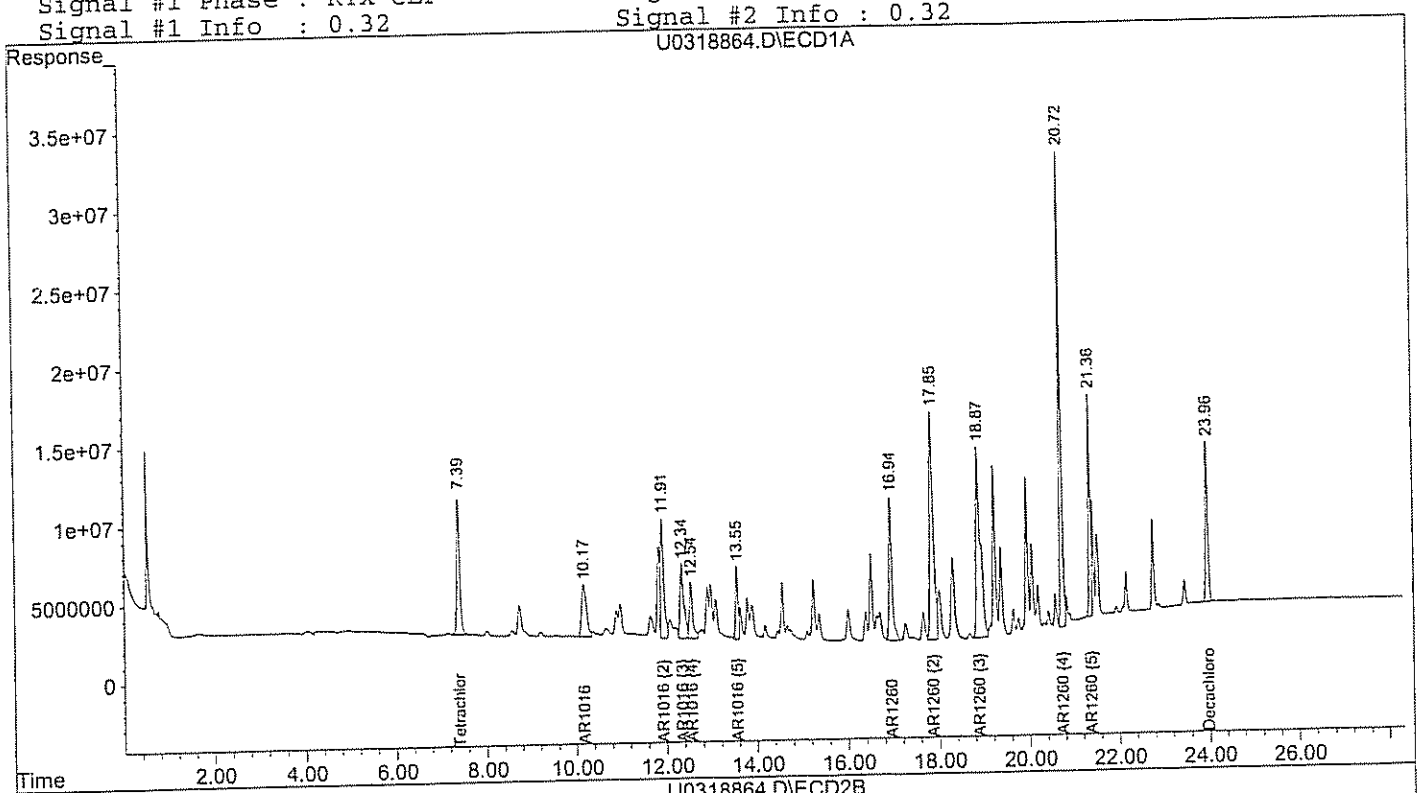
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

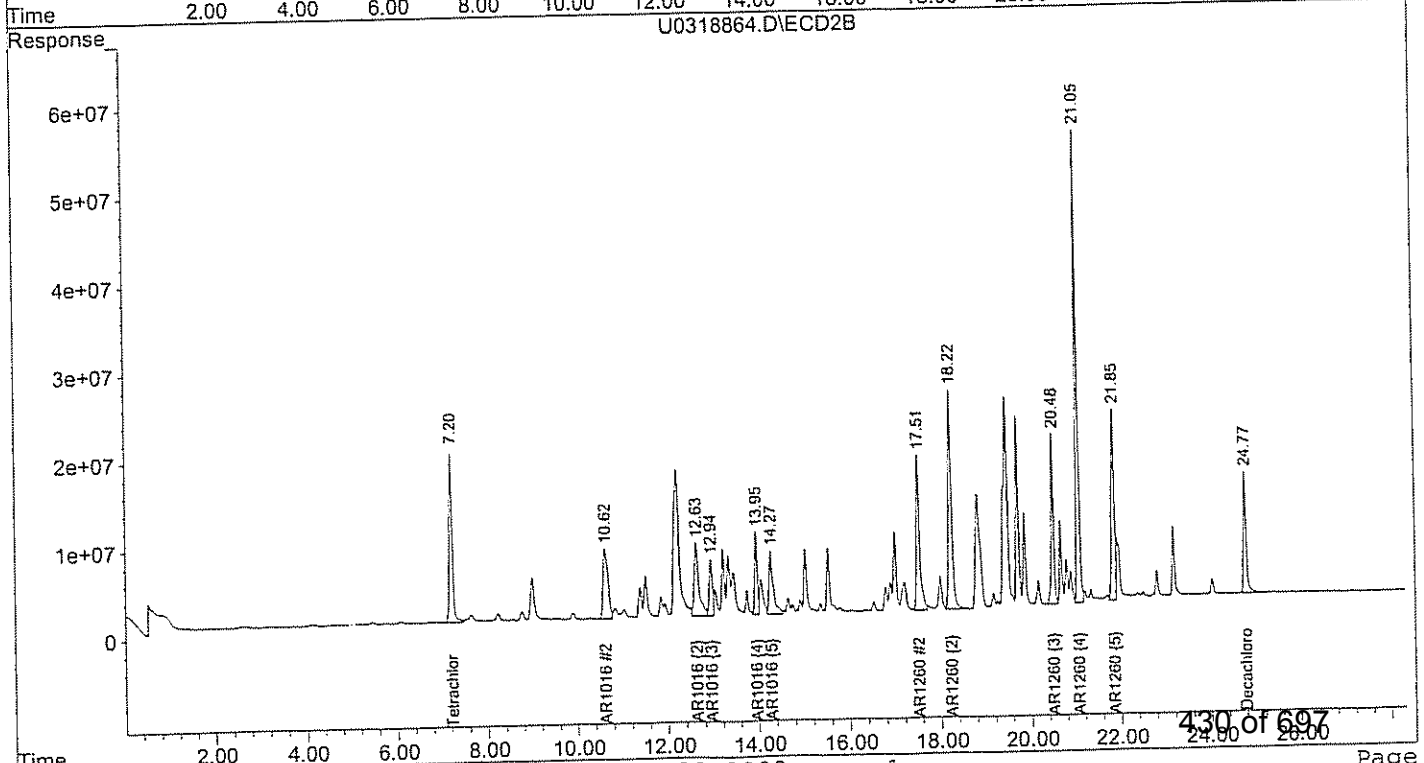
Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318864.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\U\031809\U0318864.D\ECD2B.CH
Acq On : 3-18-09 11:35:17 Operator: RP
Sample : AR1660-4 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:24 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318865.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031809\U0318865.D\ECD2B.CH
Acq On : 3-18-09 12:07:22
Sample : AR1660-3
Misc : 8082 STD
IntFile Signal #1: autoint1.e
Quant Time: Mar 18 13:58 2009

Vial: 9
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	295.3E6	626.3E6	24.995	24.285
Spiked Amount 20.000 Range 30 - 150 Recovery =					124.98%	121.43%
2) S Decachlorobiphen	23.96	24.77	258.3E6	395.4E6	22.649m	22.873
Spiked Amount 20.000 Range 30 - 150 Recovery =					113.25%	114.37%
Target Compounds						
3) L1 AR1016	10.17	10.62	191.1E6	441.6E6	523.798	509.306
4) L1 AR1016 (2)	11.91	12.63	266.2E6	422.1E6	495.885	512.622
5) L1 AR1016 (3)	12.34	12.94	182.3E6	202.6E6	498.731	489.128
6) L1 AR1016 (4)	12.54	13.96	119.6E6	271.0E6	491.345	497.899
7) L1 AR1016 (5)	13.56	14.28	119.1E6	320.9E6	496.502	498.883
Sum AR1016			878.4E6	1658.2E6	2506.261	2507.838
Average AR1016					501.252	501.568
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.51	305.5E6	629.8E6	505.047	492.593
32) L7 AR1260 (2)	17.85	18.22	550.6E6	878.8E6	489.148	483.546
33) L7 AR1260 (3)	18.87	20.49	563.8E6	492.9E6	494.221	481.680
34) L7 AR1260 (4)	20.72	21.05	697.9E6	1246.1E6	499.814	474.159
35) L7 AR1260 (5)	21.36	21.85	309.1E6	671.2E6	491.884m	460.028
Sum AR1260			2426.8E6	3918.9E6	2480.114	2392.005
Average AR1260					496.023	478.401
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(*) RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

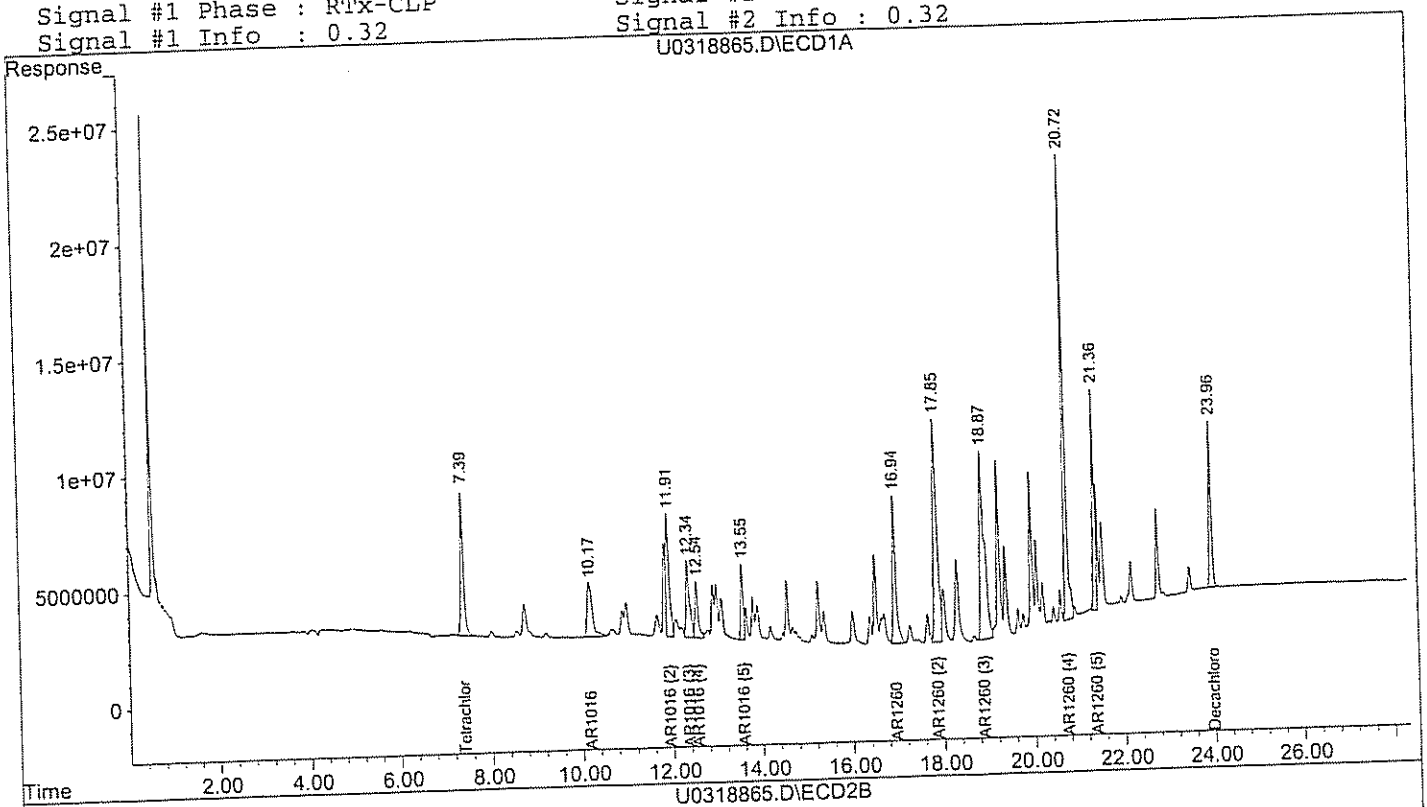
Quantitation Report

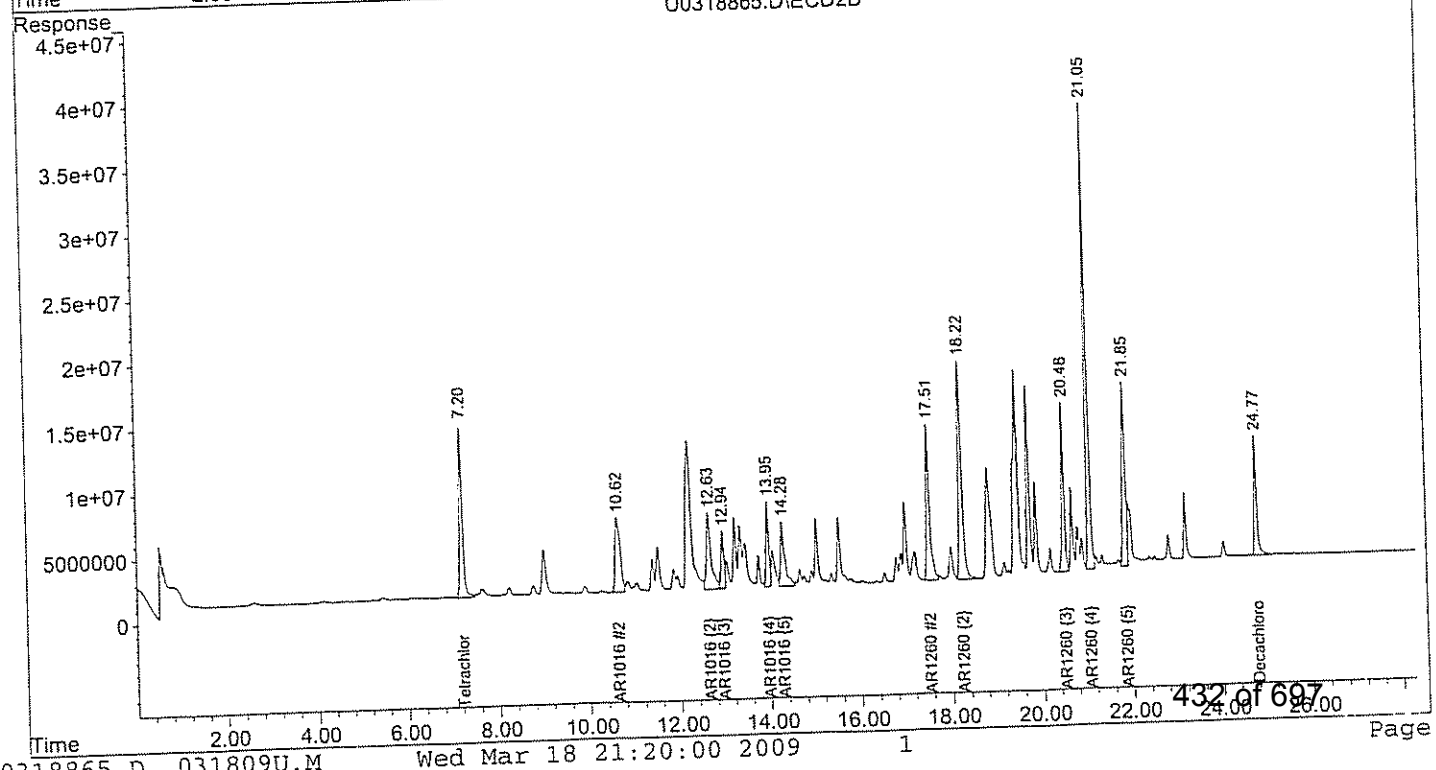
Signal #1 : H:\GCDATA\U\031809\U0318865.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\031809\U0318865.D\ECD2B.CH
Acq On : 3-18-09 12:07:22
Sample : AR1660-3
Misc : 8082 STD
IntFile Signal #1: autoint1.e
Quant Time: Mar 18 13:58 2009

Vial: 9
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318866.D\ECD1A.CH Vial: 10
Signal #2 : H:\GCDATA\U\031809\U0318866.D\ECD2B.CH
Acq On : 3-18-09 12:39:25 Operator: RP
Sample : AR1660-2 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 14:44 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	141.7E6	282.1E6	12.335	11.154
Spiked Amount 20.000 Range 30 - 150 Recovery =					61.68%	55.77%
2) S Decachlorobiphen	23.96	24.77	138.0E6	196.6E6	12.185m	11.792
Spiked Amount 20.000 Range 30 - 150 Recovery =					60.93%	58.96%
Target Compounds						
3) L1 AR1016	10.17	10.62	95615716	225.7E6	269.821	266.560
4) L1 AR1016 (2)	11.91	12.63	134.1E6	216.4E6	253.759	267.478
5) L1 AR1016 (3)	12.34	12.94	92689142	95885142	255.414	236.306
6) L1 AR1016 (4)	12.54	13.95	59795619	135.2E6	245.532	253.517
7) L1 AR1016 (5)	13.55	14.27	60597548	137.1E6	256.623	217.917
Sum AR1016			442.8E6	810.2E6	1281.150	1241.777
Average AR1016					256.230	248.355
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.51	155.6E6	310.4E6	262.197	247.690
32) L7 AR1260 (2)	17.85	18.22	273.3E6	417.7E6	247.003	234.421
33) L7 AR1260 (3)	18.87	20.48	280.0E6	221.4E6	249.941	221.885
34) L7 AR1260 (4)	20.72	21.05	326.2E6	558.6E6	240.495m	217.941
35) L7 AR1260 (5)	21.36	21.85	139.6E6	310.8E6	228.296m	217.919
Sum AR1260			1174.8E6	1818.9E6	1227.932	1139.855
Average AR1260					245.586	227.971
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

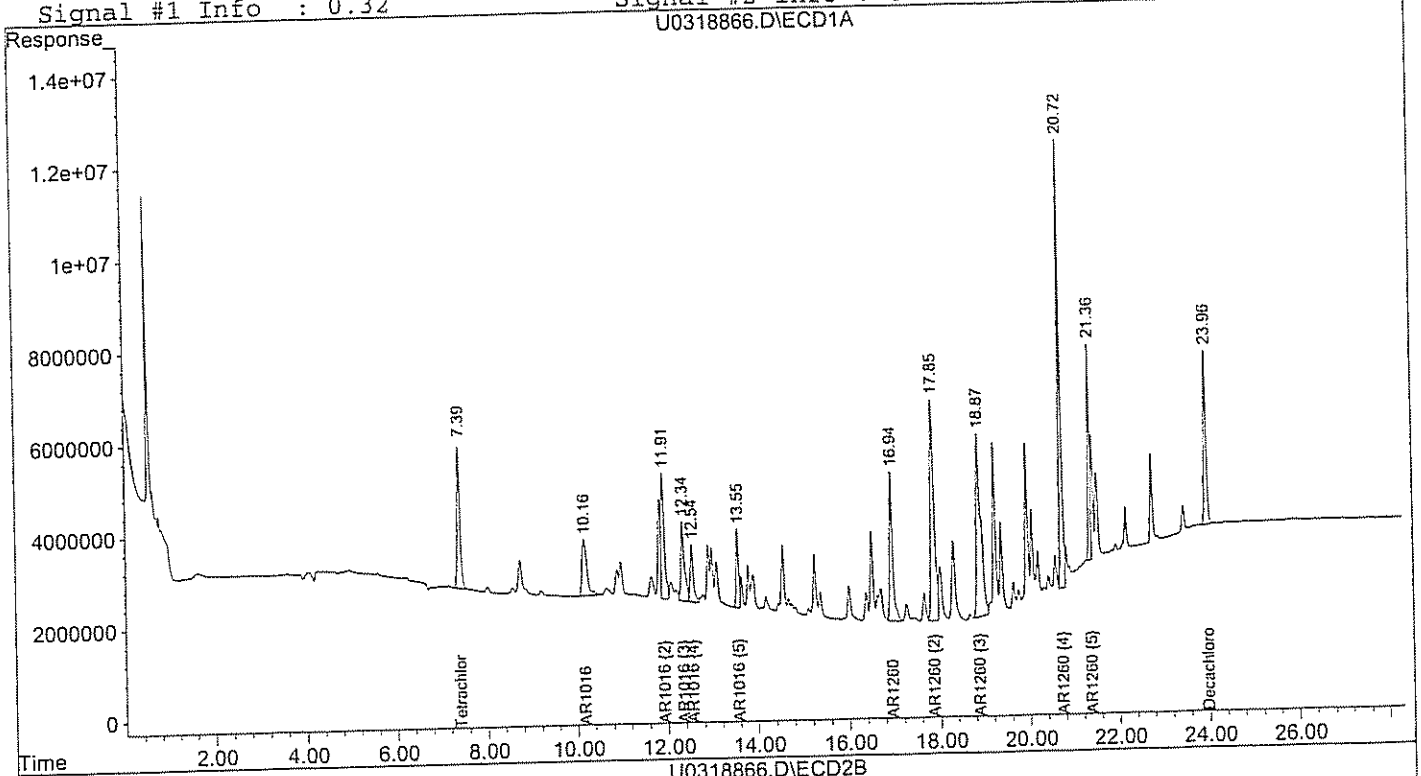
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

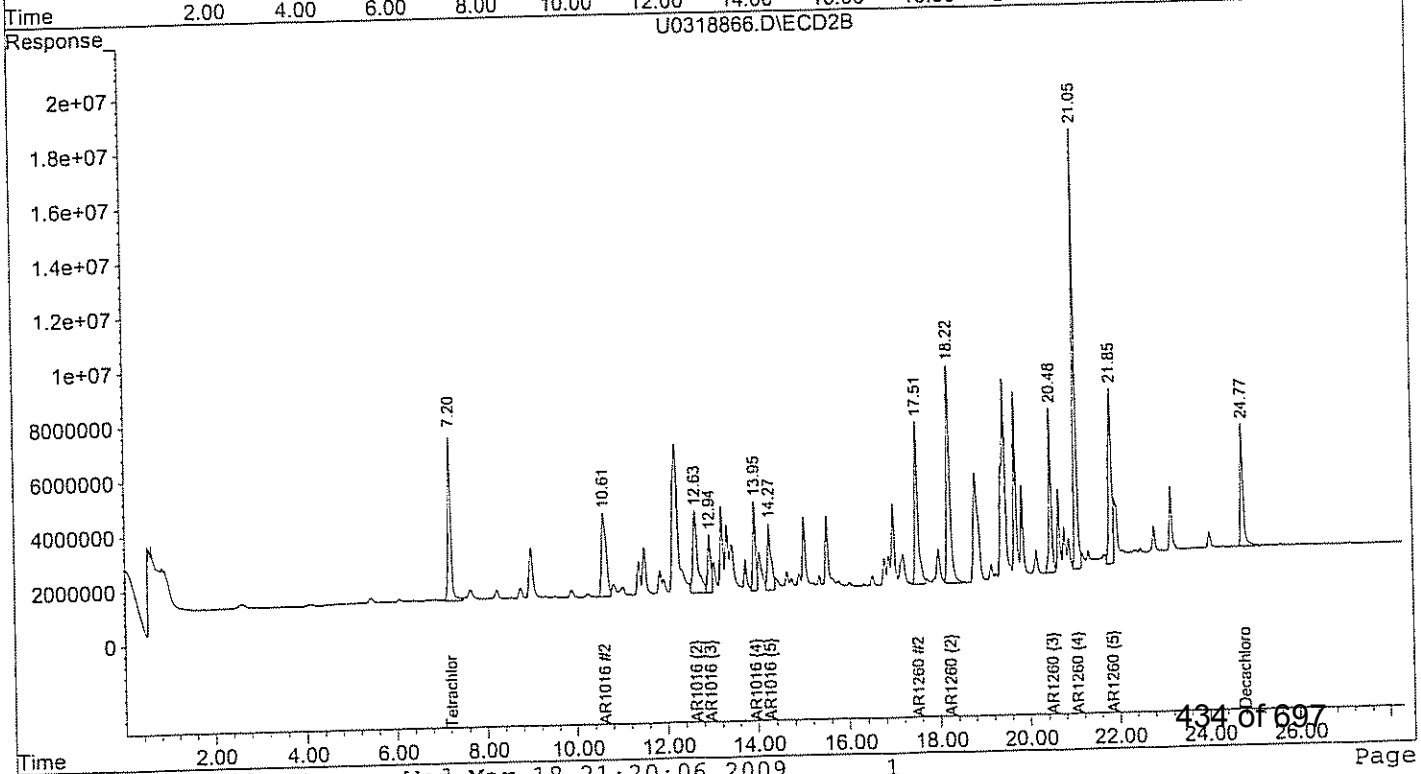
Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318866.D\ECD1A.CH Vial: 10
Signal #2 : H:\GCDATA\U\031809\U0318866.D\ECD2B.CH
Acq On : 3-18-09 12:39:25 Operator: RP
Sample : AR1660-2 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 18 14:44 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Data File : H:\GCDATA\U\031809\U0318867.D\ECD1A.CH
Acq On : 3-18-09 13:11:31
Sample : AR1660-1
Misc : 8082 STD
IntFile : autoint1.e

Vial: 11
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\031809\U0318867.D\ECD2B.CH
Acq On : 3-18-09 13:11:32
Sample : AR1660-1
Misc : 8082 STD
IntFile : autoint2.e

Vial: 11
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Quant Time: Mar 19 8:25 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.19	62004667	97038396	5.416	3.944m#
Spiked Amount 20.000 Range 30 - 150 Recovery =					27.08%#	19.72%#
2) S Decachlorobiphen	23.96	24.77	63314147	84996632	5.625m	5.170
Spiked Amount 20.000 Range 30 - 150 Recovery =					28.13%#	25.85%#
Target Compounds						
3) L1 AR1016	10.16	10.61	53526176	118.4E6	148.112	137.587
4) L1 AR1016 (2)	11.91	12.63	72916453	116.8E6	137.447	141.931
5) L1 AR1016 (3)	12.34	12.94	49036307	48829500	134.397	122.009
6) L1 AR1016 (4)	12.54	13.95	31895753	72833888	131.558	136.091
7) L1 AR1016 (5)	13.55	14.27	31832939	71311516	133.922	117.118
Sum AR1016			239.2E6	428.2E6	685.435	654.737
Average AR1016					137.087	130.947
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.51	69283032	138.8E6	115.320	111.002
32) L7 AR1260 (2)	17.85	18.22	121.8E6	177.7E6	110.369	101.294
33) L7 AR1260 (3)	18.87	20.48	125.2E6	97132214	111.762	100.169
34) L7 AR1260 (4)	20.72	21.05	152.0E6	219.8E6	113.147m	88.617m
35) L7 AR1260 (5)	21.36	21.85	66223698	122.4E6	110.666m	88.673m
Sum AR1260			534.5E6	755.9E6	561.264	489.754
Average AR1260					112.253	97.951
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Data File : H:\GCDATA\U\031809\U0318867.D\ECD1A.CH
Acq On : 3-18-09 13:11:31
Sample : AR1660-1
Misc : 8082 STD
IntFile : autoint1.e

Vial: 11
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\031809\U0318867.D\ECD2B.CH
Acq On : 3-18-09 13:11:32
Sample : AR1660-1
Misc : 8082 STD
IntFile : autoint2.e

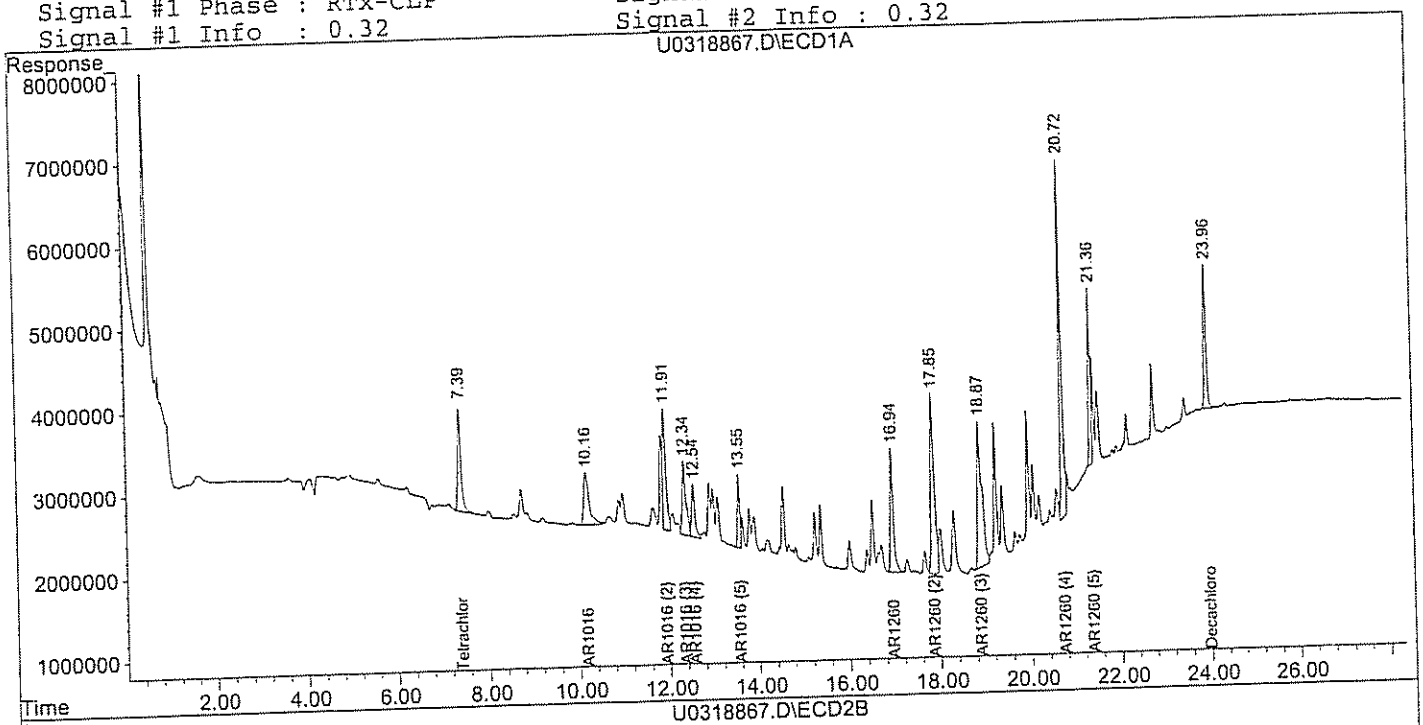
Vial: 11
Operator: RP
Inst : Instrumen
Multiplr: 1.00

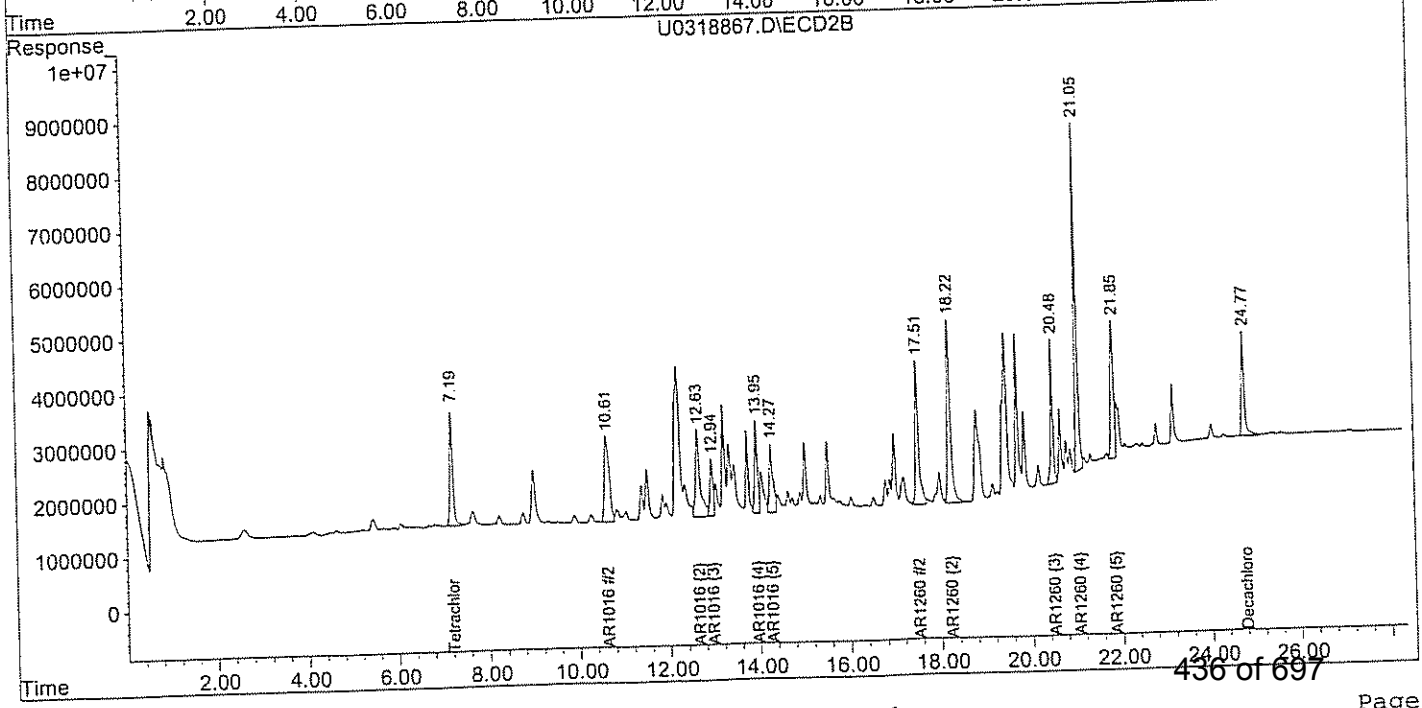
Quant Time: Mar 19 8:25 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\031809\U0318868.D\ECD1A.CH Vial: 12
Signal #2 : H:\GCDATA\U\031809\U0318868.D\ECD2B.CH
Acq On : 3-18-09 13:43:32 Operator: RP
Sample : AR1660-0.5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:16 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL Signal #2 Phase: RTx-CLP2
Signal #1 Phase : RTx-CLP Signal #2 Info : 0.32
Signal #1 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.19	35169039	45827600	3.062m	1.812m#
Spiked Amount 20.000 Range 30 - 150 Recovery =					15.31%#	9.06%#
2) S Decachlorobiphen	23.96	24.77	28075414	37571320	2.479m	2.253
Spiked Amount 20.000 Range 30 - 150 Recovery =					12.40%#	11.27%#
Target Compounds						
3) L1 AR1016	10.17	10.61	18991327	50026997	53.592	59.079
4) L1 AR1016 (2)	11.91	12.63	24201275	40590542	45.791	50.183m
5) L1 AR1016 (3)	12.34	12.94	16362594	13373506	45.089	32.959m#
6) L1 AR1016 (4)	12.54	13.95	10003205	25023954	41.075	46.922m
7) L1 AR1016 (5)	13.55	14.27	12212811	21515850	51.720	34.203m#
Sum AR1016			81771210	150.5E6	237.267	223.345
Average AR1016					47.453	44.669
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.51	32280636	62981138	54.386	50.260m
32) L7 AR1260 (2)	17.86	18.22	55521285	79886514	50.171	44.835
33) L7 AR1260 (3)	18.87	20.48	56430940	42359073	50.374m	42.455
34) L7 AR1260 (4)	20.72	21.05	62863178	95449318	46.345m	37.240m
35) L7 AR1260 (5)	21.36	21.85	32652456	50438210	53.381m	35.359m#
Sum AR1260			239.7E6	331.1E6	254.657	210.150
Average AR1260					50.931	42.030
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

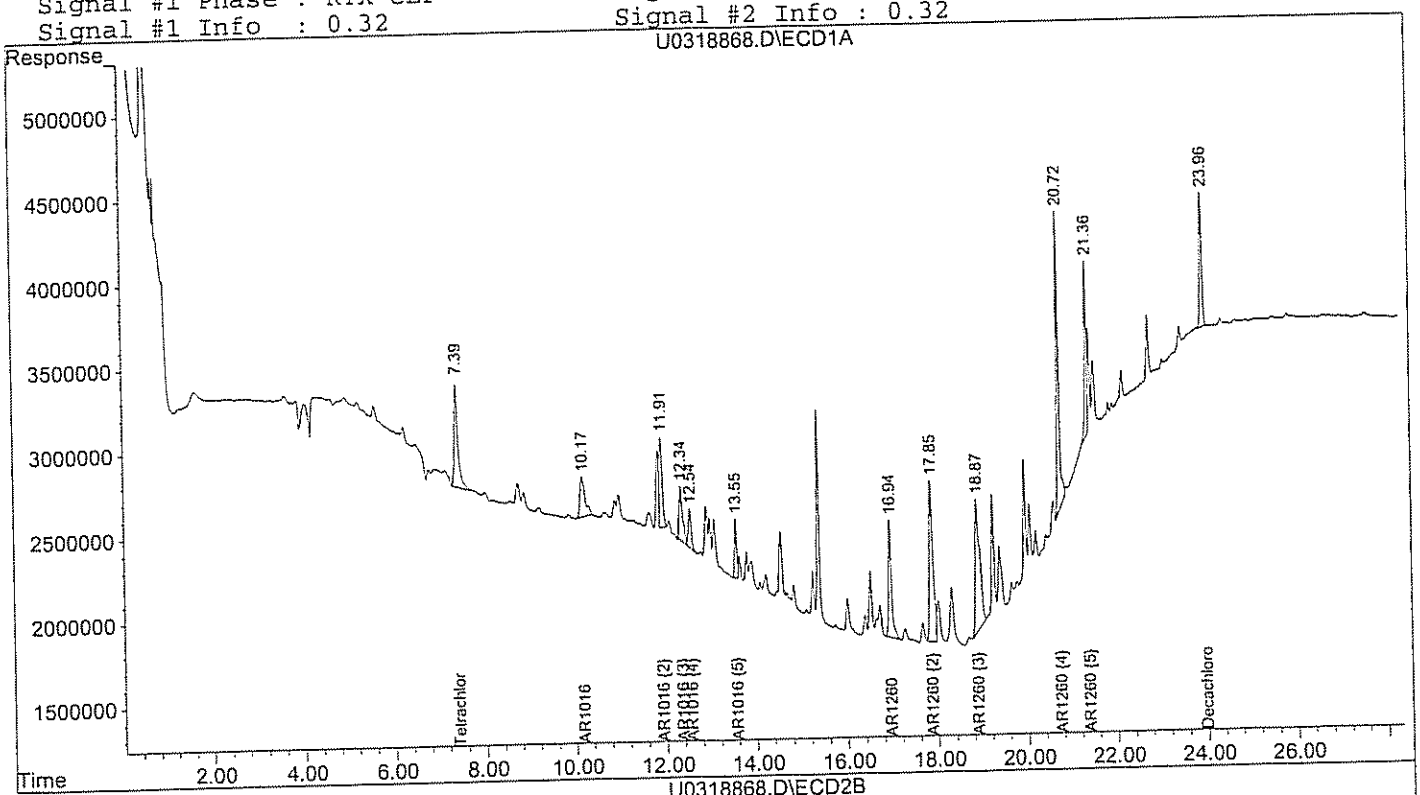
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

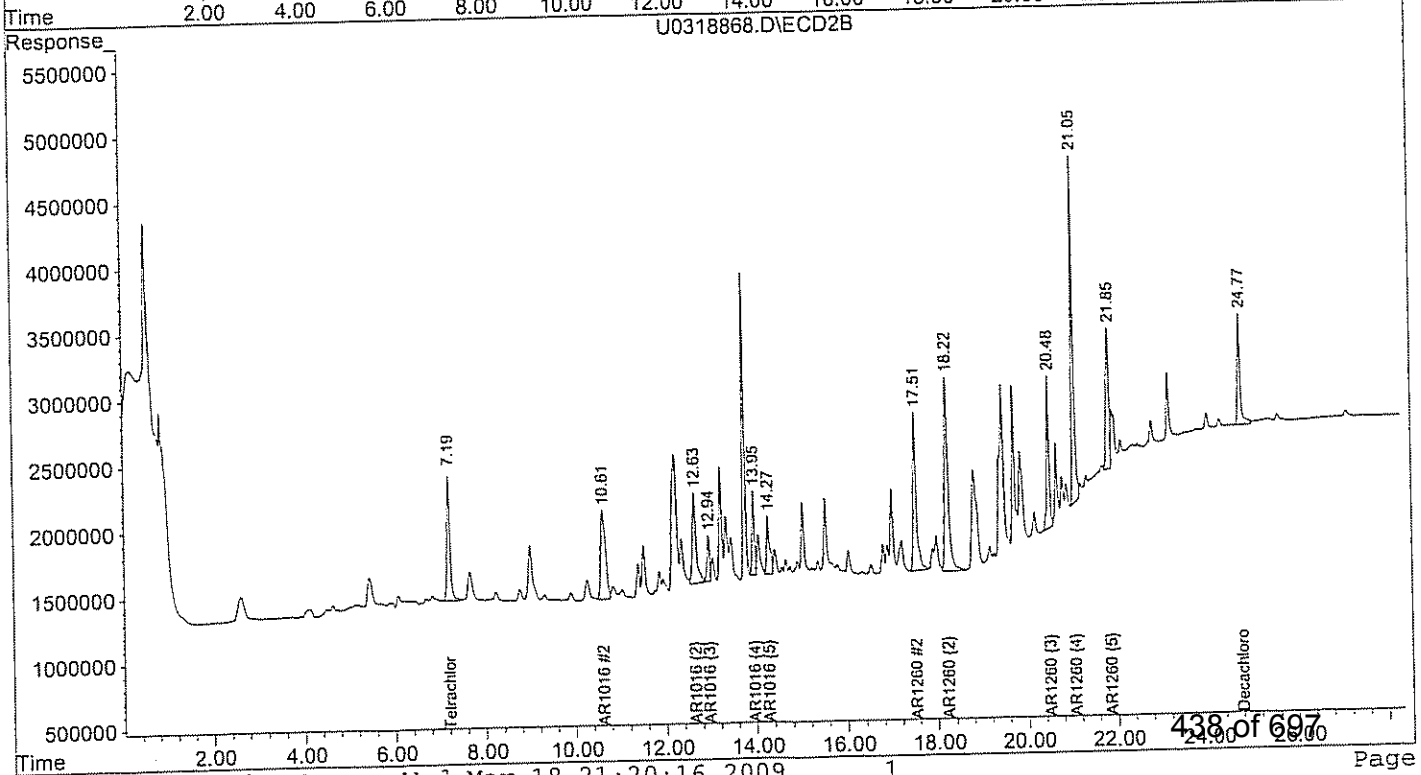
Quantitation Report

Signal #1 : H:\GCDATA\U\031809\U0318868.D\ECD1A.CH Vial: 12
Signal #2 : H:\GCDATA\U\031809\U0318868.D\ECD2B.CH
Acq On : 3-18-09 13:43:32 Operator: RP
Sample : AR1660-0.5 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Mar 19 8:16 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\051309\U0319524.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319524.D\ECD2B.CH
Acq On : 5-13-09 09:23:17
Sample : AR1660-3
Misc : 8082 STD
IntFile Signal #1: autoint1.e

Vial: 1
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Thu Mar 19 15:21:40 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	12.043	12.291 E6	-2.1	0#	0.01
2	S	Decachlorobiphenyl	11.039	10.511 E6	4.8	0#	0.00
3	L1	AR1016	393.442	428.642 E3	-8.9	0#	0.05
4	L1	AR1016 {2}	555.868	576.757 E3	-3.8	0#	0.02
5	L1	AR1016 {3}	379.511	363.229 E3	4.3	0#	0.02
6	L1	AR1016 {4}	248.135	247.154 E3	0.4	0#	0.02
7	L1	AR1016 {5}	252.230	236.137 E3	6.4	0#	0.02
31	L7	AR1260	623.600	566.040 E3	9.2	0#	0.01
32	L7	AR1260 {2}	1.124	1.088 E6	3.2	0#	0.00
33	L7	AR1260 {3}	1.144	1.059 E6	7.4	0#	0.00
34	L7	AR1260 {4}	1.359	1.250 E6	8.0	0#	0.00
35	L7	AR1260 {5}	618.153	595.939 E3	3.6	0#	0.00

Signal #2

1	S	Tetrachloro-m-xylene	22.694	23.128 E6	-1.9	0#	0.00
2	S	Decachlorobiphenyl	16.260	15.254 E6	6.2	0#	0.00
3	L1	AR1016	0.938	0.899 E6	4.2	0#	0.03
4	L1	AR1016 {2}	0.879	0.778 E6	11.5	0#	0.00
5	L1	AR1016 {3}	392.768	386.035 E3	1.7	0#	0.01
6	L1	AR1016 {4}	561.593	480.287 E3	14.5	0#	0.00
7	L1	AR1016 {5}	596.496	539.278 E3	9.6	0#	0.00
31	L7	AR1260	1.275	1.148 E6	10.0	0#	0.00
32	L7	AR1260 {2}	1.732	1.556 E6	10.2	0#	0.00
33	L7	AR1260 {3}	949.540	844.169 E3	11.1	0#	0.00
34	L7	AR1260 {4}	2.339	2.316 E6	1.0	0#	0.00
35	L7	AR1260 {5}	1.293	1.283 E6	0.8	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U0319524.D 031809U.M Thu May 14 13:40:48 2009 1

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319524.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\051309\U0319524.D\ECD2B.CH
Acq On : 5-13-09 09:23:17 Operator: RP
Sample : AR1660-3 Inst : Instrumen
Misc : 8082 STD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 8:53 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.40	7.19	307.3E6	578.2E6	25.514	25.479
Spiked Amount 20.000 Range 30 - 150 Recovery =					127.57%	127.40%
2) S Decachlorobiphen	23.96	24.78	262.8E6	381.3E6	23.803	23.453
Spiked Amount 20.000 Range 30 - 150 Recovery =					119.02%	117.27%
Target Compounds						
3) L1 AR1016	10.22f	10.64f	214.3E6	449.6E6	544.734	479.288
4) L1 AR1016 {2}	11.93	12.64	288.4E6	388.8E6	518.789m	442.509
5) L1 AR1016 {3}	12.36	12.95	181.6E6	193.0E6	478.549	491.429m
6) L1 AR1016 {4}	12.56	13.96	123.6E6	240.1E6	498.023	427.612m
7) L1 AR1016 {5}	13.57	14.28	118.1E6	269.6E6	468.099m	452.038m
Sum AR1016			926.0E6	1541.2E6	2508.195	2292.876
Average AR1016					501.639	458.575
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.95	17.52	283.0E6	573.8E6	453.849	450.117
32) L7 AR1260 {2}	17.87	18.23	543.9E6	778.2E6	484.101	449.386
33) L7 AR1260 {3}	18.88	20.49	529.6E6	422.1E6	463.107	444.515
34) L7 AR1260 {4}	20.73	21.05	624.8E6	1157.8E6	459.900	495.110
35) L7 AR1260 {5}	21.36	21.85	298.0E6	641.3E6	482.032	496.110m
Sum AR1260			2279.3E6	3573.2E6	2342.990	2335.238
Average AR1260					468.598	467.048

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319524.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319524.D\ECD2B.CH
Acq On : 5-13-09 09:23:17
Sample : AR1660-3
Misc : 8082 STD
IntFile Signal #1: autoint1.e
Quant Time: May 13 8:53 2009

Vial: 1
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

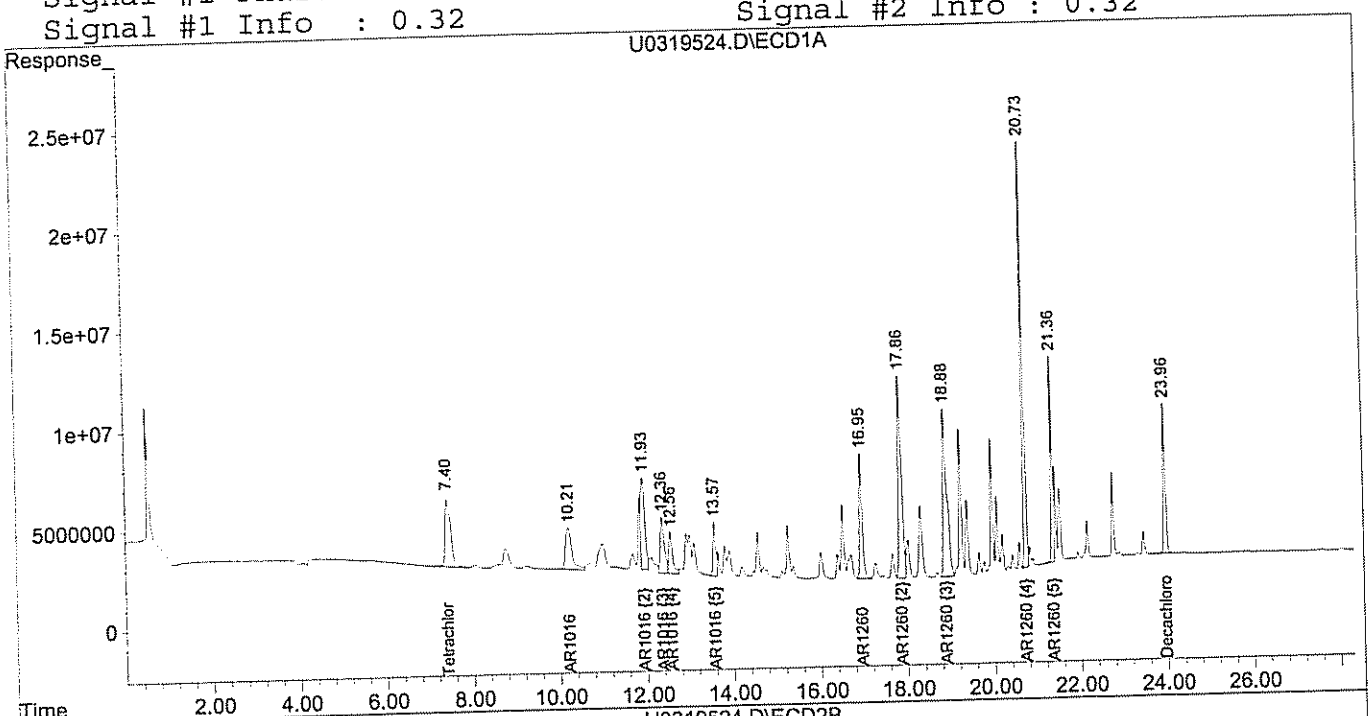
Signal #1 : H:\GCDATA\U\051309\U0319524.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319524.D\ECD2B.CH
Acq On : 5-13-09 09:23:17
Sample : AR1660-3
Misc : 8082 STD
IntFile Signal #1: autoint1.e
Quant Time: May 13 8:53 2009

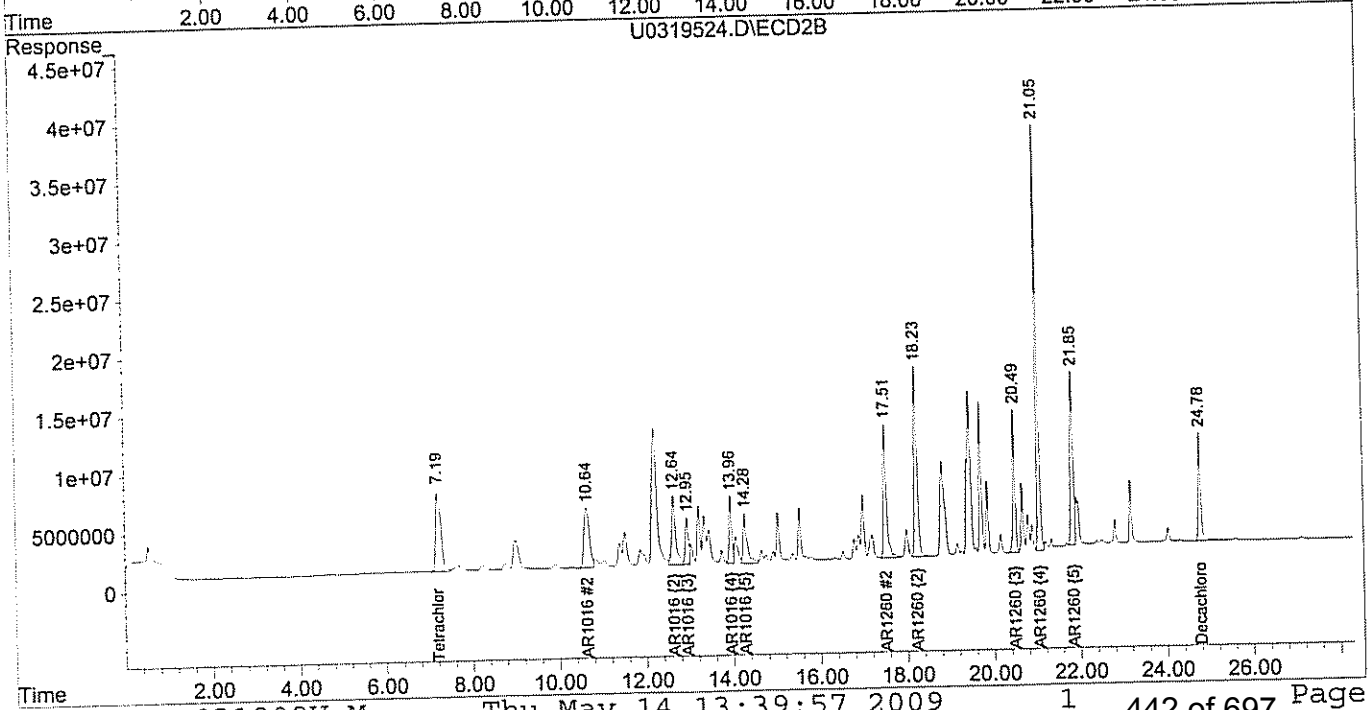
Vial: 1
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





Evaluate Continuing Calibration Report

Data File : H:\GCDATA\U\051309\U0319533.D\ECD1A.CH
Acq On : 5-13-09 14:11:53
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint1.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\051309\U0319533.D\ECD2B.CH
Acq On : 5-13-09 14:11:52
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint2.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator)
Title : 8082_PCB_Method / 608_PCB
Last Update : Thu Mar 19 15:21:40 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	12.043	12.393 E6	-2.9	0#	0.00
2	S	Decachlorobiphenyl	11.039	11.269 E6	-2.1	0#	0.00
3	L1	AR1016	393.442	433.615 E3	-10.2	0#	0.02
4	L1	AR1016 {2}	555.868	648.544 E3	-16.7#	0#	0.00
5	L1	AR1016 {3}	379.511	414.240 E3	-9.2	0#	0.00
6	L1	AR1016 {4}	248.135	269.278 E3	-8.5	0#	0.00
7	L1	AR1016 {5}	252.230	270.800 E3	-7.4	0#	0.00
31	L7	AR1260	623.600	637.786 E3	-2.3	0#	0.00
32	L7	AR1260 {2}	1.124	1.159 E6	-3.1	0#	0.00
33	L7	AR1260 {3}	1.144	1.156 E6	-1.0	0#	0.00
34	L7	AR1260 {4}	1.359	1.403 E6	-3.2	0#	0.00
35	L7	AR1260 {5}	618.153	590.636 E3	4.5	0#	0.00

Signal #2

1	S	Tetrachloro-m-xylene	22.694	24.370 E6	-7.4	0#	0.00
2	S	Decachlorobiphenyl	16.260	17.960 E6	-10.5	0#	0.00
3	L1	AR1016	0.938	0.930 E6	0.9	0#	0.02
4	L1	AR1016 {2}	0.879	0.913 E6	-3.9	0#	0.00
5	L1	AR1016 {3}	392.768	436.074 E3	-11.0	0#	0.01
6	L1	AR1016 {4}	561.593	586.934 E3	-4.5	0#	0.01
7	L1	AR1016 {5}	596.496	593.795 E3	0.5	0#	0.00
31	L7	AR1260	1.275	1.357 E6	-6.4	0#	0.00
32	L7	AR1260 {2}	1.732	1.830 E6	-5.7	0#	0.00
33	L7	AR1260 {3}	949.540	997.404 E3	-5.0	0#	0.00
34	L7	AR1260 {4}	2.339	2.563 E6	-9.6	0#	0.00
35	L7	AR1260 {5}	1.293	1.316 E6	-1.8	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U0319533.D 031809U.M Thu May 14 13:40:41 2009 1

Quantitation Report (QT Reviewed)

Data File : H:\GCDATA\U\051309\U0319533.D\ECD1A.CH
Acq On : 5-13-09 14:11:53
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint1.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\051309\U0319533.D\ECD2B.CH
Acq On : 5-13-09 14:11:52
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint2.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Quant Time: May 13 14:07 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.38	7.20	309.8E6	609.3E6	25.727	26.847
Spiked Amount 20.000 Range 30 - 150 Recovery =					128.64%	134.24%
2) S Decachlorobiphen	23.95	24.78	281.7E6	449.0E6	25.521	27.614
Spiked Amount 20.000 Range 30 - 150 Recovery =					127.61%	138.07%
Target Compounds						
3) L1 AR1016	10.18	10.63	216.8E6	465.0E6	551.053	495.672
4) L1 AR1016 {2}	11.91	12.64	324.3E6	456.3E6	583.362m	519.340
5) L1 AR1016 {3}	12.35	12.95	207.1E6	218.0E6	545.756	555.129
6) L1 AR1016 {4}	12.55	13.96	134.6E6	293.5E6	542.604m	522.561
7) L1 AR1016 {5}	13.56	14.28	135.4E6	296.9E6	536.813	497.736m
Sum AR1016			1018.2E6	1729.7E6	2759.587	2590.439
Average AR1016					551.917	518.088
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.52	318.9E6	678.4E6	511.375	532.225

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : H:\GCDATA\U\051309\U0319533.D\ECD1A.CH
Acq On : 5-13-09 14:11:53
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint1.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\051309\U0319533.D\ECD2B.CH
Acq On : 5-13-09 14:11:52
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint2.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Quant Time: May 13 14:07 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
32) L7 AR1260 {2}	17.86	18.23	579.5E6	914.8E6	515.802	528.243
33) L7 AR1260 {3}	18.87	20.49	577.8E6	498.7E6	505.296	525.204
34) L7 AR1260 {4}	20.72	21.05	701.6E6	1281.5E6	516.425	547.991
35) L7 AR1260 {5}	21.36	21.85	295.3E6	658.0E6	477.742	509.001m
Sum AR1260			2473.2E6	4031.4E6	2526.639	2642.664
Average AR1260					505.328	528.533
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Data File : H:\GCDATA\U\051309\U0319533.D\ECD1A.CH
Acq On : 5-13-09 14:11:53
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint1.e

Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

Data File : H:\GCDATA\U\051309\U0319533.D\ECD2B.CH
Acq On : 5-13-09 14:11:52
Sample : AR1660-3
Misc : 8082 STD
IntFile : autoint2.e

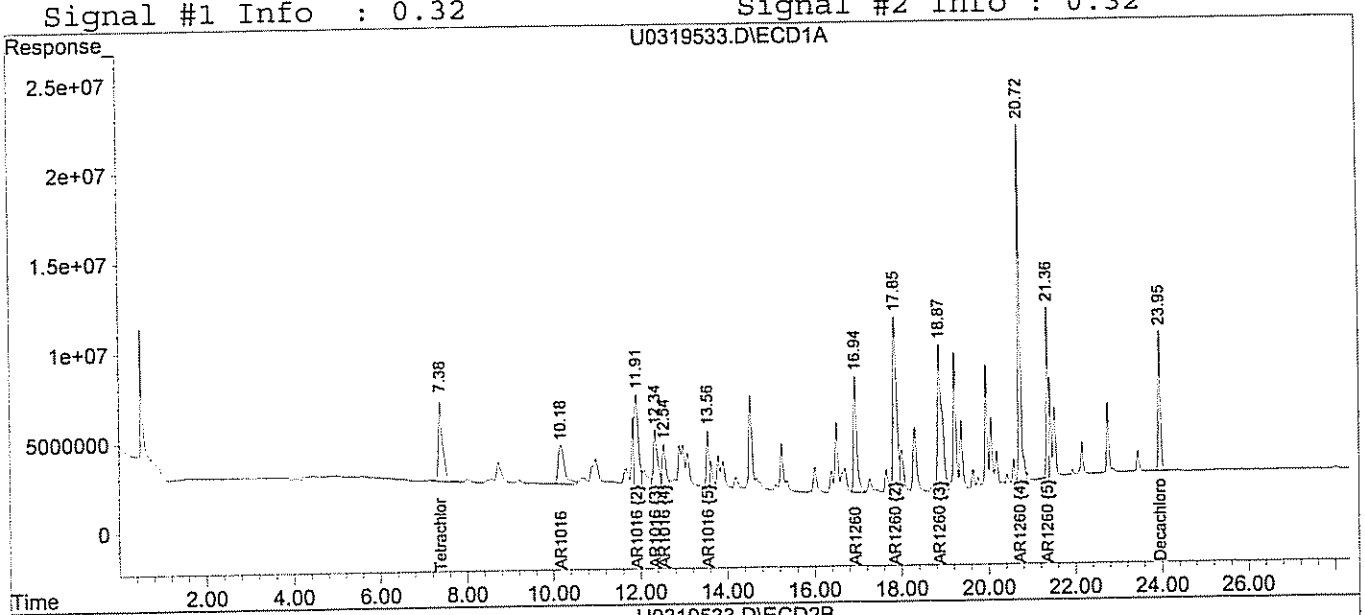
Vial: 10
Operator: RP
Inst : Instrumen
Multiplr: 1.00

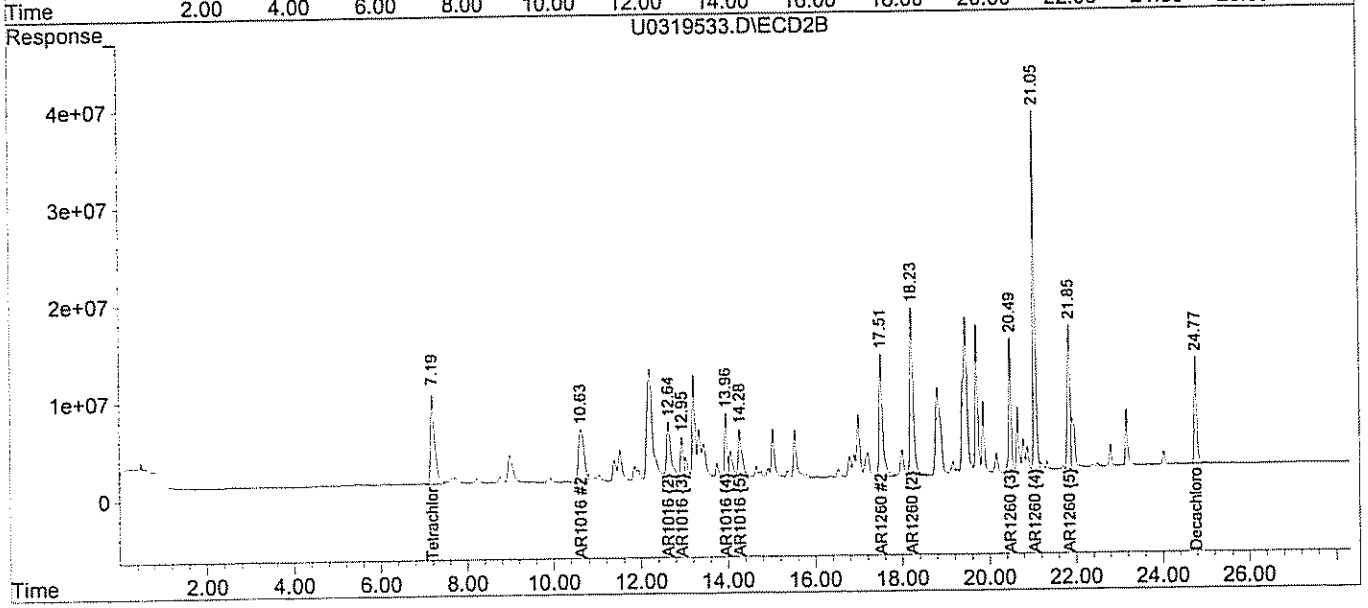
Quant Time: May 13 14:07 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32

Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





D. Raw QC Data

1. Blank Data
2. Matrix Spike Data
3. Matrix Spike Duplicate Data
4. Laboratory Control Standard Data (where applicable)
5. Extraction Logsheet
6. Injection Logsheet
7. Retention Time Windows

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109736

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109736
Sample Volume :	1000	Lab File ID :	U0319525.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319525.D\ECD1A.CH Vial: 2
Signal #2 : H:\GCDATA\U\051309\U0319525.D\ECD2B.CH
Acq On : 5-13-09 09:55:16 Operator: RP
Sample : BLK109736 Inst : Instrumen
Misc : BLK109736 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:40 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.38	7.19	173.3E6	307.3E6	14.390	13.540
Spiked Amount 20.000 Range 30 - 150 Recovery =					71.95%	67.70%
2) S Decachlorobiphen	23.96	24.78	109.9E6	149.2E6	9.959	9.178
Spiked Amount 20.000 Range 30 - 150 Recovery =					49.80%	45.89%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
Sum AR1260			0	0	N.D.	N.D.
Average AR1260					0.000	0.000
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

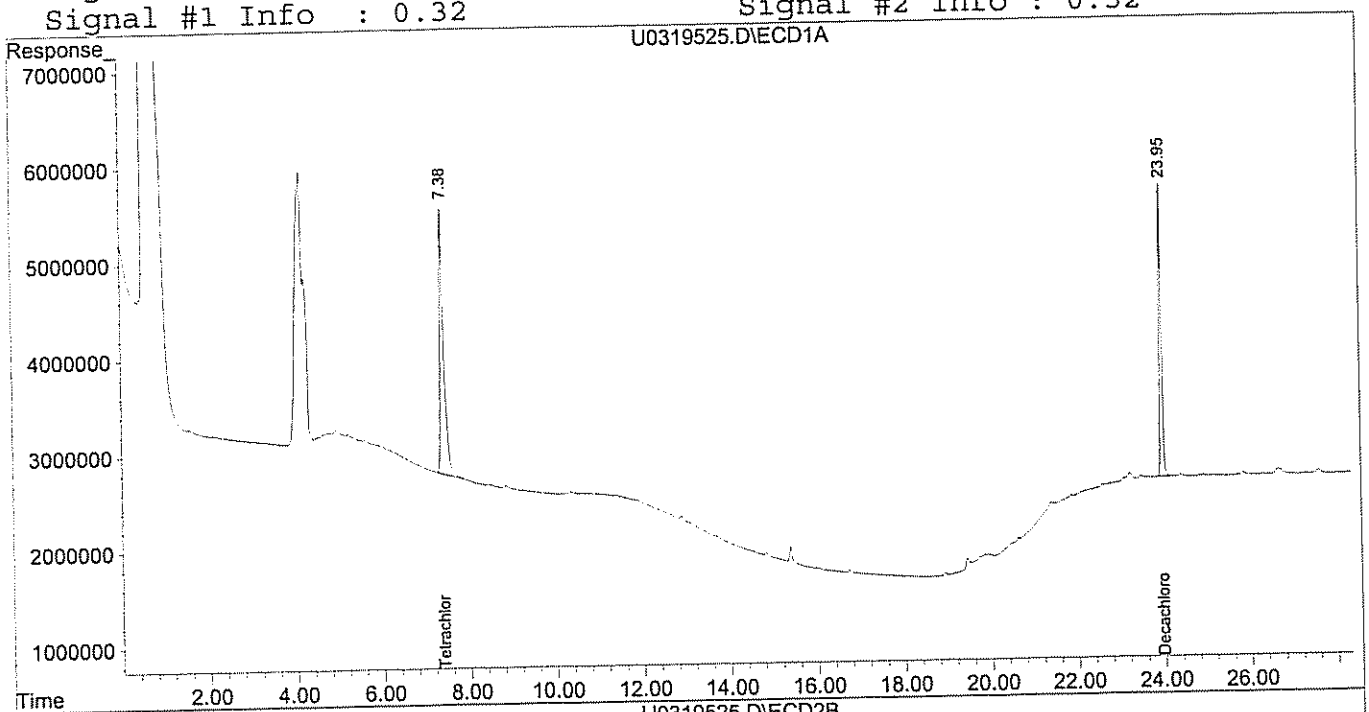
Quantitation Report

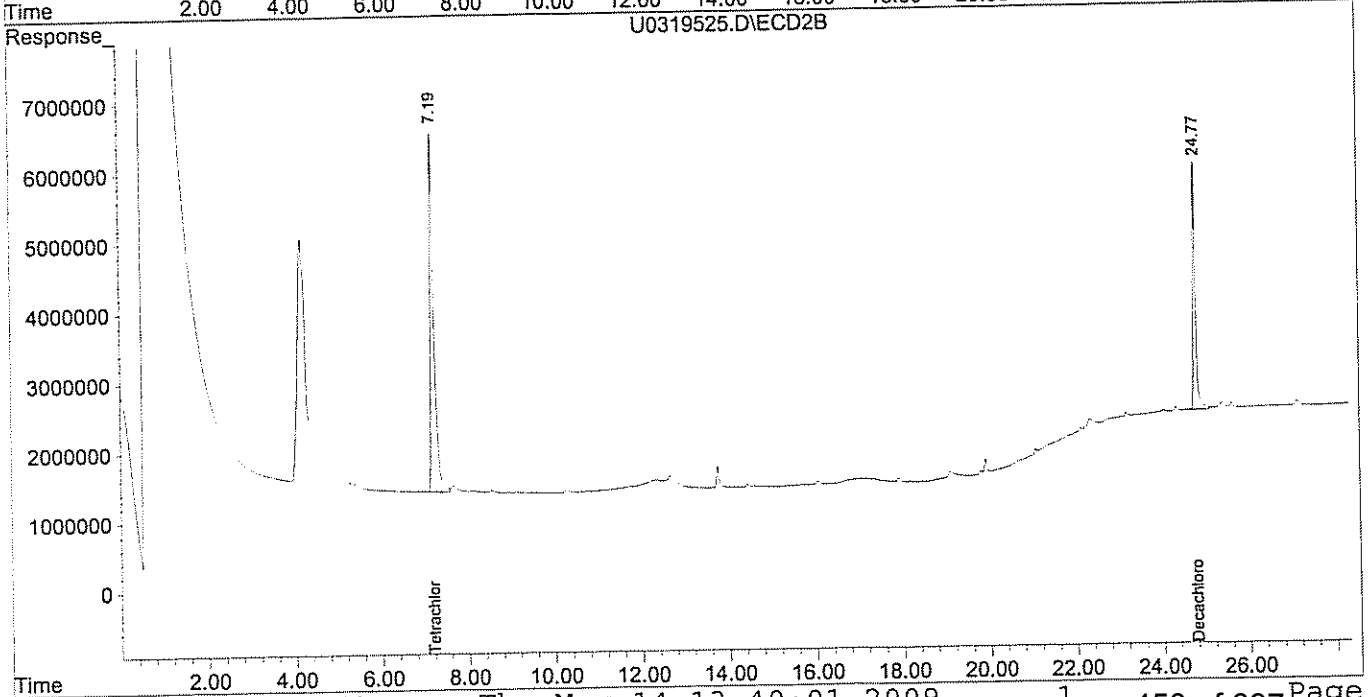
Signal #1 : H:\GCDATA\U\051309\U0319525.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319525.D\ECD2B.CH
Acq On : 5-13-09 09:55:16
Sample : BLK109736
Misc : BLK109736
IntFile Signal #1: autoint1.e
Quant Time: May 13 12:40 2009

Vial: 2
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-17GW03-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-001-001-1/6MS
Sample Volume :	1000	Lab File ID :	U0319530.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	6.2	
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	4.7	

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319530.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\U\051309\U0319530.D\ECD2B.CH
Acq On : 5-13-09 12:35:42 Operator: RP
Sample : 905068-001-001-1/6MS Inst : Instrumen
Misc : OUI-17GW03-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:45 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	247.5E6	487.2E6	20.553	21.469
Spiked Amount 20.000 Range 30 - 150 Recovery =					102.77%	107.35%
2) S Decachlorobiphen	23.95	24.77	52411420	74231181	4.748	4.565
Spiked Amount 20.000 Range 30 - 150 Recovery =					23.74%#	22.83%#
Target Compounds						
3) L1 AR1016	10.17	10.63	228.6E6	575.1E6	581.075m	613.047
4) L1 AR1016 {2}	11.91	12.64	360.3E6	535.1E6	648.114m	609.019m
5) L1 AR1016 {3}	12.34	12.95	225.8E6	255.1E6	594.895m	649.483m
6) L1 AR1016 {4}	12.54	13.96	129.2E6	329.0E6	520.539m	585.879m
7) L1 AR1016 {5}	13.56	14.28	151.7E6	375.1E6	601.355m	628.805m
Sum AR1016			1095.5E6	2069.4E6	2945.978	3086.233
Average AR1016					589.196	617.247
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.52	307.9E6	680.1E6	493.819	533.501
32) L7 AR1260 {2}	17.86	18.23	555.4E6	837.9E6	494.304	483.853
33) L7 AR1260 {3}	18.88	20.49	558.1E6	384.1E6	488.083	404.542m
34) L7 AR1260 {4}	20.72	21.05	529.2E6	865.2E6	389.539m	369.986m
35) L7 AR1260 {5}	21.36	21.85	314.3E6	535.7E6	508.480	414.415m
Sum AR1260			2265.0E6	3303.0E6	2374.225	2206.297
Average AR1260					474.845	441.259

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319530.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\U\051309\U0319530.D\ECD2B.CH
Acq On : 5-13-09 12:35:42 Operator: RP
Sample : 905068-001-001-1/6MS Inst : Instrumen
Misc : OUI-17GW03-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:45 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

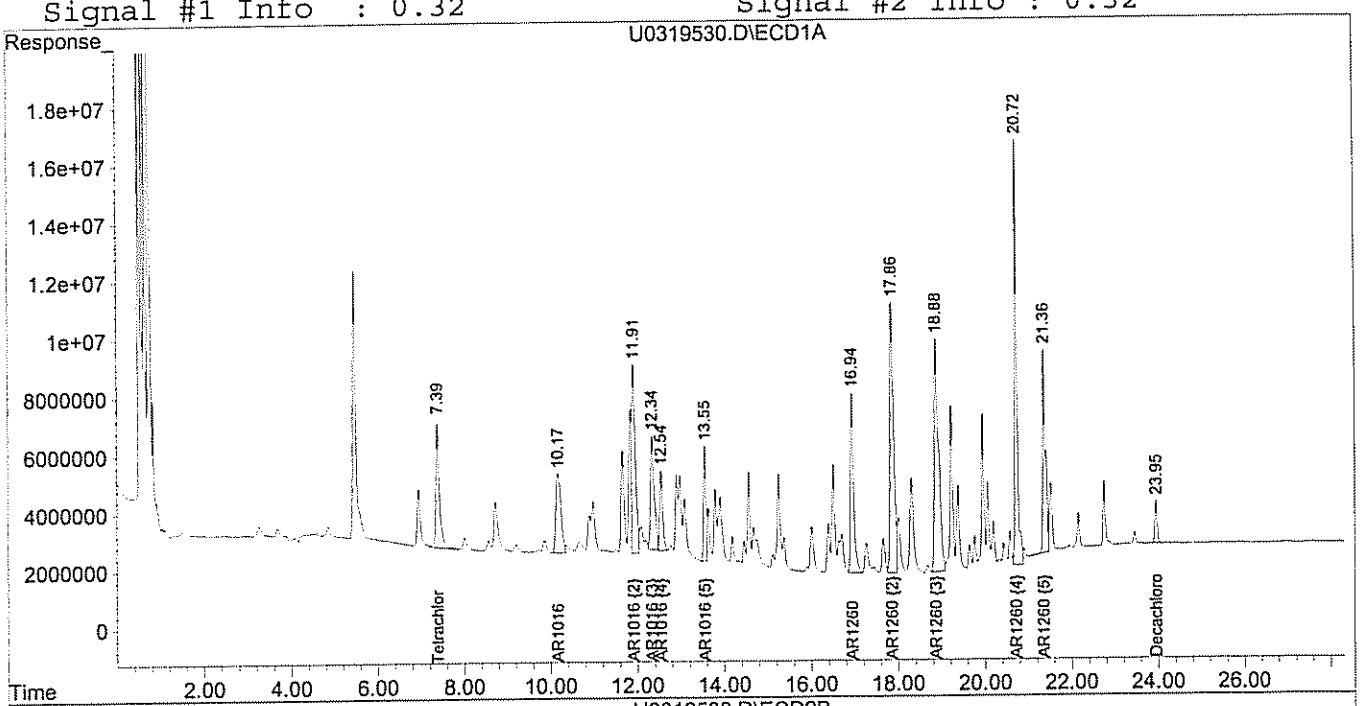
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

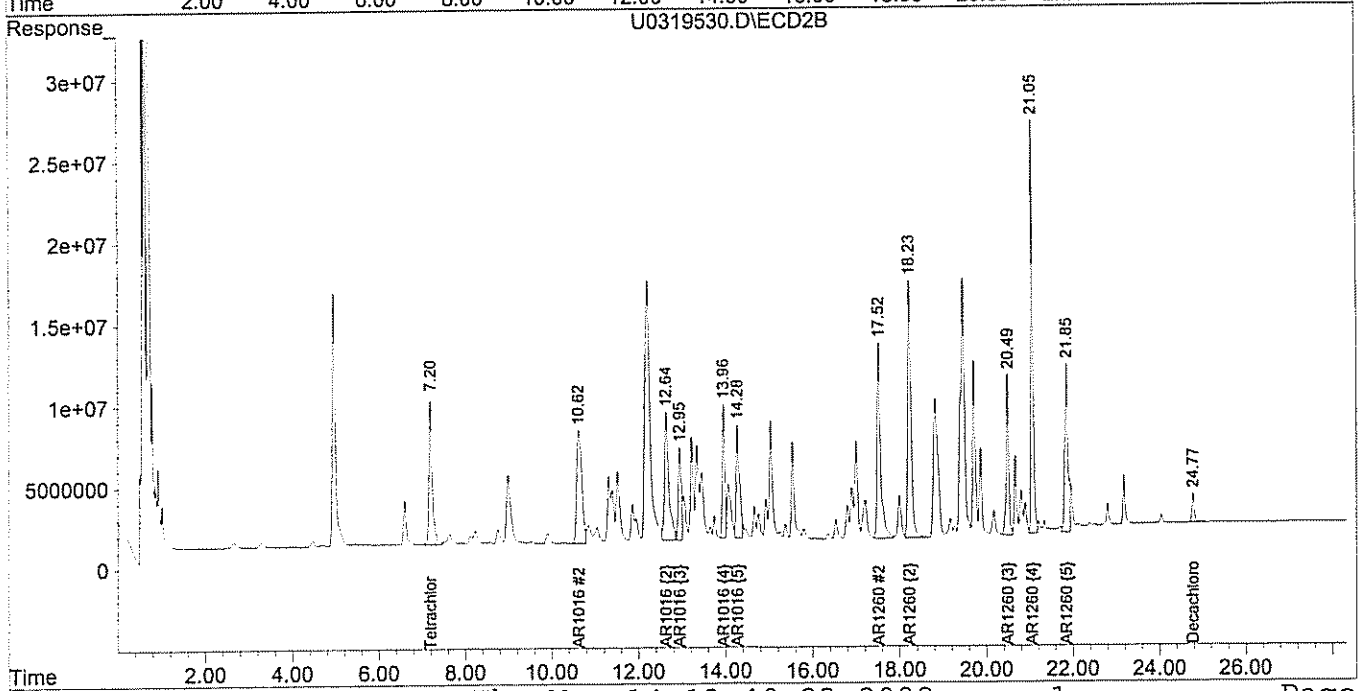
Quantitation Report

Signal #1 : H:\GCDATA\U\051309\U0319530.D\ECD1A.CH Vial: 7
Signal #2 : H:\GCDATA\U\051309\U0319530.D\ECD2B.CH
Acq On : 5-13-09 12:35:42 Operator: RP
Sample : 905068-001-001-1/6MS Inst : Instrumen
Misc : OUI-17GW03-0509MS Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:45 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-17GW03-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-001-001-1/6MSD
Sample Volume :	1000	Lab File ID :	U0319531.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	6.4	
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	4.6	

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319531.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\U\051309\U0319531.D\ECD2B.CH
Acq On : 5-13-09 13:07:43 Operator: RP
Sample : 905068-001-001-1/6MSD Inst : Instrumen
Misc : OUI-17GW03-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:47 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	250.3E6	487.0E6	20.780	21.461
Spiked Amount 20.000 Range 30 - 150 Recovery =					103.90%	107.31%
2) S Decachlorobiphen	23.96	24.78	56317908	79930995	5.102	4.916
Spiked Amount 20.000 Range 30 - 150 Recovery =					25.51%#	24.58%#
Target Compounds						
3) L1 AR1016	10.17	10.63	235.0E6	584.3E6	597.286m	622.918
4) L1 AR1016 {2}	11.91	12.64	380.2E6	553.1E6	684.034m	629.532m
5) L1 AR1016 {3}	12.34	12.95	259.5E6	267.0E6	683.791m	679.701m
6) L1 AR1016 {4}	12.54	13.96	143.6E6	363.5E6	578.866m	647.294
7) L1 AR1016 {5}	13.56	14.28	155.2E6	384.1E6	615.257m	643.990m
Sum AR1016			1173.6E6	2152.1E6	3159.234	3223.435
Average AR1016					631.847	644.687
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.52	316.0E6	704.1E6	506.667	552.382
32) L7 AR1260 {2}	17.86	18.23	574.4E6	867.5E6	511.255	500.928
33) L7 AR1260 {3}	18.88	20.49	578.1E6	392.4E6	505.492	413.305
34) L7 AR1260 {4}	20.72	21.06	492.1E6	907.8E6	362.249	388.206
35) L7 AR1260 {5}	21.36	21.85	256.8E6	503.3E6	415.497m	389.365m
Sum AR1260			2217.4E6	3375.2E6	2301.159	2244.187
Average AR1260					460.232	448.837

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319531.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\U\051309\U0319531.D\ECD2B.CH
Acq On : 5-13-09 13:07:43 Operator: RP
Sample : 905068-001-001-1/6MSD Inst : Instrumen
Misc : OUI-17GW03-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:47 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

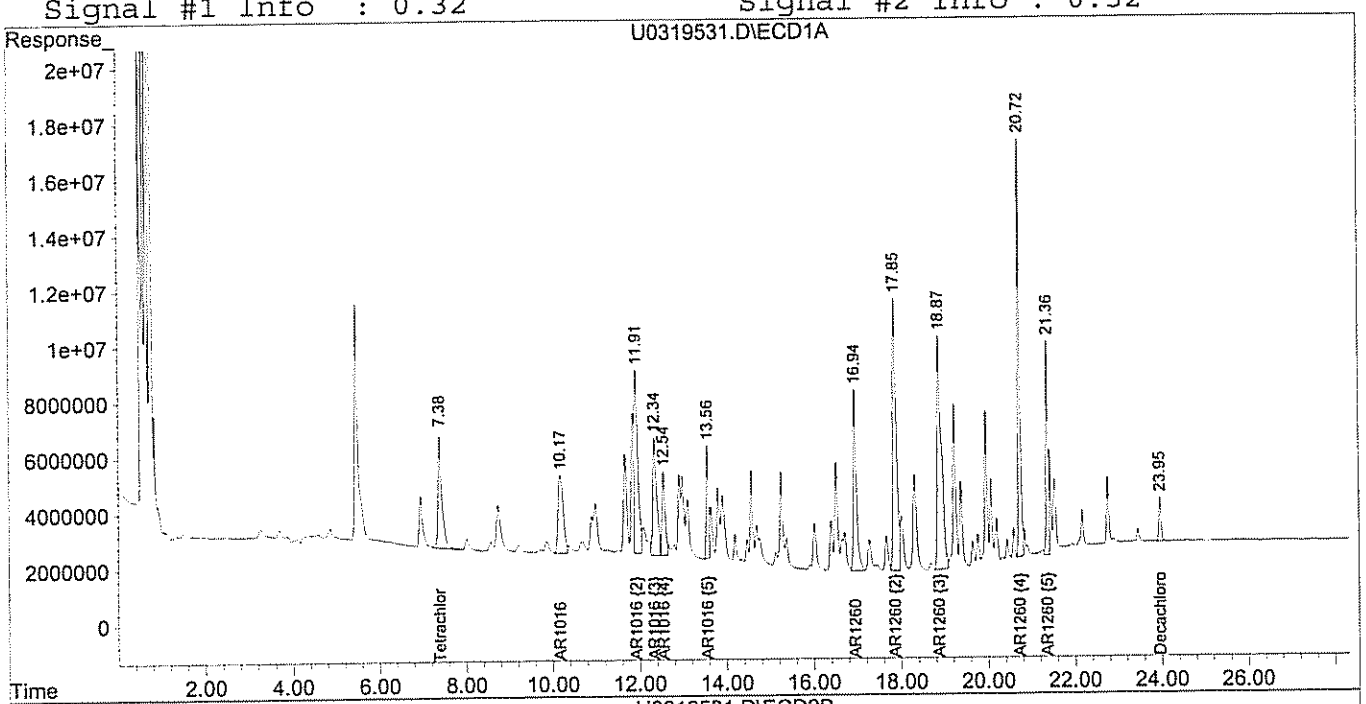
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

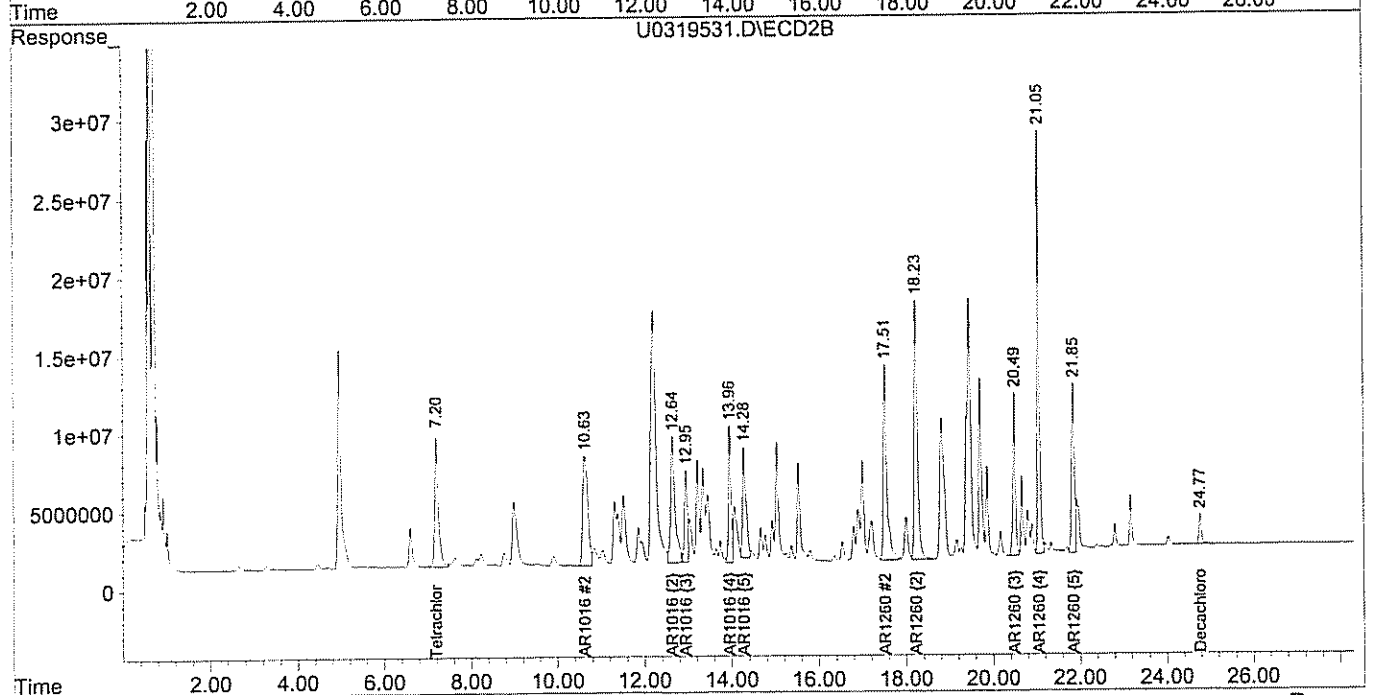
Quantitation Report

Signal #1 : H:\GCDATA\U\051309\U0319531.D\ECD1A.CH Vial: 8
Signal #2 : H:\GCDATA\U\051309\U0319531.D\ECD2B.CH
Acq On : 5-13-09 13:07:43 Operator: RP
Sample : 905068-001-001-1/6MSD Inst : Instrumen
Misc : OUI-17GW03-0509MSD Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:47 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32





GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109736

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109736
Sample Volume :	1000	Lab File ID :	U0319526.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	4.2	
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	3.7	

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319526.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\U\051309\U0319526.D\ECD2B.CH
Acq On : 5-13-09 10:27:24 Operator: RP
Sample : BKS109736 Inst : Instrumen
Misc : BKS109736 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:41 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.39	7.20	164.6E6	292.8E6	13.668	12.903
Spiked Amount 20.000 Range 30 - 150 Recovery =					68.34%	64.52%
2) S Decachlorobiphen	23.96	24.78	102.1E6	140.5E6	9.252	8.638
Spiked Amount 20.000 Range 30 - 150 Recovery =					46.26%	43.19%
Target Compounds						
3) L1 AR1016	10.17	10.62	157.7E6	379.7E6	400.817	404.742
4) L1 AR1016 {2}	11.91	12.63	238.3E6	364.1E6	428.757	414.335
5) L1 AR1016 {3}	12.34	12.95	160.5E6	166.0E6	422.970	422.742
6) L1 AR1016 {4}	12.54	13.96	108.6E6	210.8E6	437.792	375.355
7) L1 AR1016 {5}	13.55	14.28	102.2E6	244.8E6	405.091	410.417
Sum AR1016			767.4E6	1365.4E6	2095.428	2027.591
Average AR1016					419.086	405.518
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.94	17.52	237.4E6	496.6E6	380.646	389.613
32) L7 AR1260 {2}	17.86	18.23	434.7E6	643.1E6	386.850	371.329
33) L7 AR1260 {3}	18.88	20.49	443.9E6	319.1E6	388.151	336.090
34) L7 AR1260 {4}	20.73	21.06	482.6E6	802.9E6	355.243	343.332
35) L7 AR1260 {5}	21.36	21.86	208.5E6	455.7E6	337.329	352.522
Sum AR1260			1807.0E6	2717.4E6	1848.219	1792.886
Average AR1260					369.644	358.577

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\051309\U0319526.D\ECD1A.CH Vial: 3
Signal #2 : H:\GCDATA\U\051309\U0319526.D\ECD2B.CH
Acq On : 5-13-09 10:27:24 Operator: RP
Sample : BKS109736 Inst : Instrumen
Misc : BKS109736 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: May 13 12:41 2009 Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000
Sum AR1262			0	0	N.D.	N.D.
Average AR1262					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

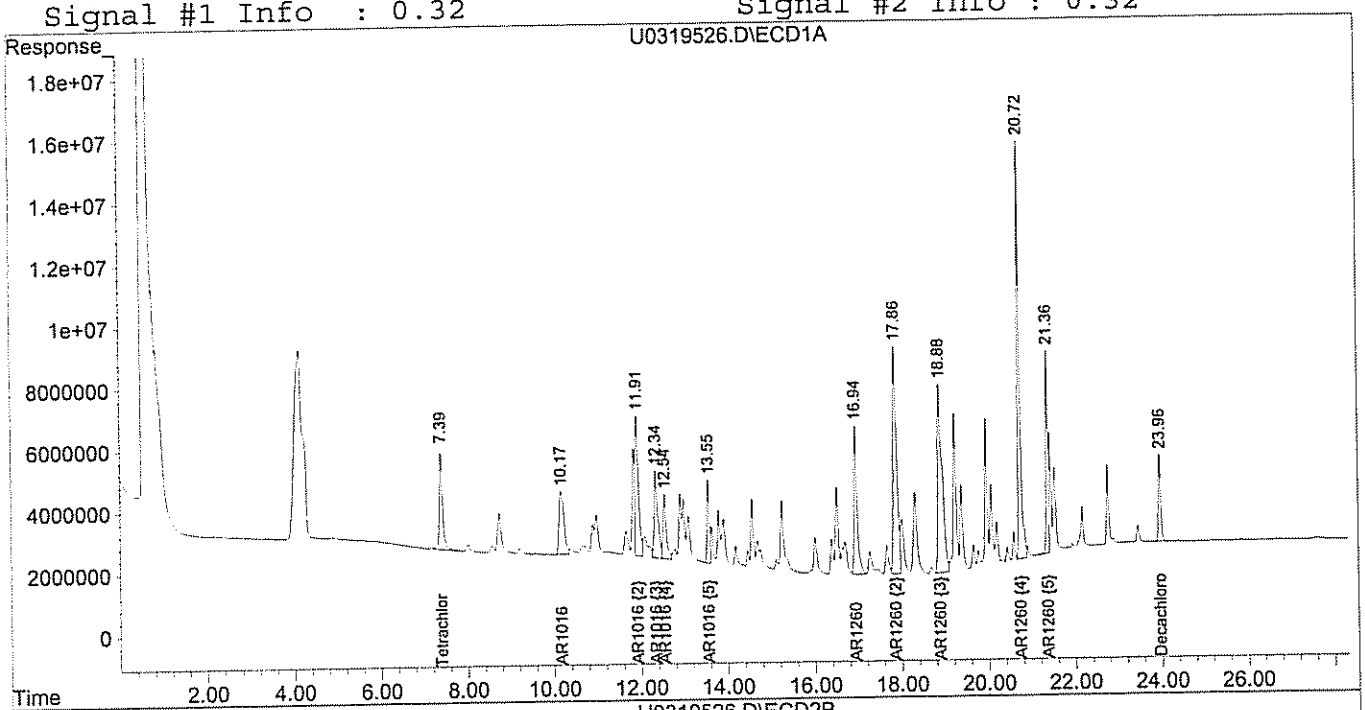
Quantitation Report

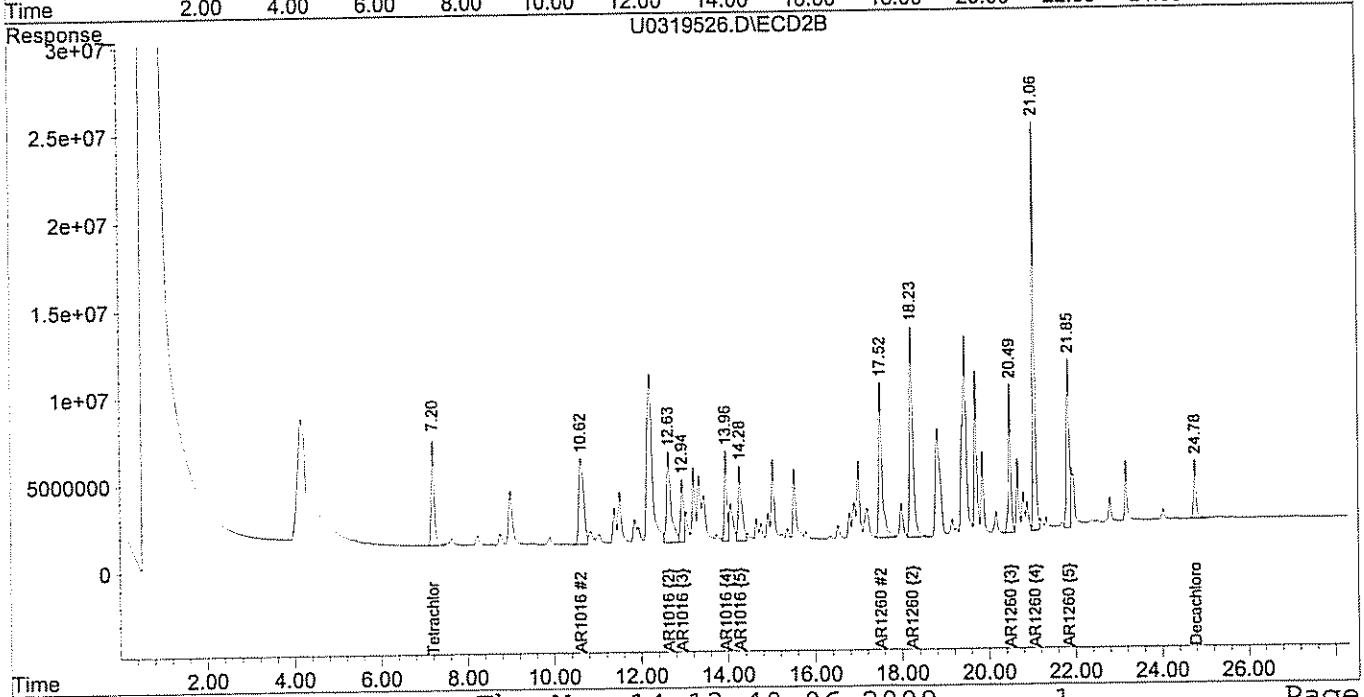
Signal #1 : H:\GCDATA\U\051309\U0319526.D\ECD1A.CH
Signal #2 : H:\GCDATA\U\051309\U0319526.D\ECD2B.CH
Acq On : 5-13-09 10:27:24
Sample : BKS109736
Misc : BKS109736
IntFile Signal #1: autoint1.e
Quant Time: May 13 12:41 2009

Vial: 3
Operator: RP
Inst : Instrumen
Multiplr: 1.00
IntFile Signal #2: autoint2.e
Quant Results File: 031809U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\031809U.M (Chemstation Integrator
Title : 8082_PCB_Method / 608_PCB
Last Update : Tue Mar 17 23:31:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP
Signal #1 Info : 0.32
Signal #2 Phase: RTx-CLP2
Signal #2 Info : 0.32





PESTICIDE/PCB EXTRACTION LOG

SOIL / WATER / WIPES / OIL

Sep. Funnel 3510C / ~~Continuous 3520C~~ / Soxhlet 3540C / Sonication 3550B / Waste Dilution 3580A
OLCO3.2 / OLMO4.2 / OLMO3.2 / OLM04.3

Approval / Date: 5/12/09 GPC: Y / N

Analysis Method: 8081/8082

Ext. Chemist: VT Date: 05/11/09 Conc. Chemist: VT Date: 5/12/09

Cleanup: 9.30 AM

Florisil (3620B)(F) Date: 5/12/09 Acid(3665A)(A) Date 5/12/09 Sulfur (3660B)(S) Date: —

Lot #: 30524 Lot #: 20022 Lot #: —

Spike Witness Initials: N.P.

GPL W. O. #	Frac.	Init pH	Sample Vol. gram / mL	Surr. Vol. mL	Spike Vol. mL	Adjust. pH	F / A / S Cleanup	F.V. mL
905070	BLK 104736	6	1000	1.0	—	—	F/A	10.0
	BKS1	6	1000		1.0 (BKS1)		F	
	BKS2	6	1000		1.0 (BKS2)		A	
	001	6	1000				F/A	
	002	6	1000				F/A	
905068	001	6	1000				F/A	
	001MS1	6	1000		1.0		A	
	001MSD1	6	1000		✓		✓	
	001MS2	6	1000		1.0		A	
	001MSD2	6	1000		✓		✓	
	002	6	1000		—		F/A	
	03	6	1000		—		F	
	03MS1	6	1000		1.0		F	
	03MSD1	6	1000		✓		F	
	~~03MS2~~	6	1000	✓	—	✓	F	✓
	~~03MSD2~~							
	VT 5/12/09							

Solvent: DCM / Acetone Solvent: Hexane Surrogate Soln#: 44630 Matrix Spike Soln #: 44727, 44892

Lot #: H08404 Lot #: H02E51 Surr. Soln Conc(s): 0.2 PPM MS Soln Conc(s): 5.5 PPM PCB, 0.5 PPM

Sodium Sulfate #: G45609

Comments & Observations:

GPL Laboratories, LLC

GC ANALYSIS LOG

Reviewed by: RP Date: 3/23/09

Intrument ID: HP5890 # U

Data Acquisition Method:	Pest32 / PCB32 / Herb32
Injector Temp (oC):	180 / 200 / 240 /
Detector Temp(oC):	300
Oven Initial Temp(oC):	60 / 150 /
Initial Time (min):	0.0 / 0.50 / 1.0 /
Ramp Rate (oC/min) :	10-200-4/11-250-4/18-300-2
Final Temp(oC):	200 / 275 / 300 /
Injection Volume(uL):	1.0 / 2.0 / 2.5 /

Detector A

Column:	RTX-CLP 30meter
ID:	0.32 mm

Detector B

Column:	RTX-CLP2 30 meter
ID:	0.32 mm

Analyst: ZS

ICAL Method: 031509U.m

Seq.	File ID	GPL ID	Dil	Matrix	Date	Comments
031809	U					

Injection Log

Directory: h:\gcdata\u\031809

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	u0318857.d	1.	AR2154-3 44978	8082 STD	18 Mar 09 07:50
2	u0318858.d	1.	AR1232-3 45009	8082 STD	18 Mar 09 08:22
3	u0318859.d	1.	AR1242-3 45003	8082 STD	18 Mar 09 08:55
4	u0318860.d	1.	AR1248-3 44997	8082 STD	18 Mar 09 09:27
5	u0318861.d	1.	AR1262-3 45015	8082 STD	18 Mar 09 09:59
6	u0318862.d	1.	AR1268-3 45021	8082 STD	18 Mar 09 10:31
7	u0318863.d	1.	AR1660-5 44965	8082 STD	18 Mar 09 11:03
8	u0318864.d	1.	AR1660-4 44966	8082 STD	18 Mar 09 11:35
9	u0318865.d	1.	AR1660-3 44967	8082 STD	18 Mar 09 12:07
10	u0318866.d	1.	AR1660-2 44968	8082 STD	18 Mar 09 12:39
11	u0318867.d	1.	AR1660-1 44969	8082 STD	18 Mar 09 13:11
12	u0318868.d	1.	AR1660-0.5 44970	8082 STD	18 Mar 09 13:43
13	u0318869.d	1.	AR1660-ICV 43722	8082 STD	18 Mar 09 14:15
14	u0318870.d	1.	BLK108672	BLK108672	18 Mar 09 14:47
15	u0318871.d	1.	BKS108672	BKS108672	18 Mar 09 15:19
16	u0318872.d	1.	903089-001-001-1/1	SAMPLE 1	18 Mar 09 15:51
17	u0318873.d	1.	903089-001-001-1/1MS	SAMPLE 1MS	18 Mar 09 16:23
18	u0318874.d	1.	903089-001-001-1/1MSD	SAMPLE 1MSD	18 Mar 09 16:55
19	u0318875.d	1.	BLK108677	BLK108677	18 Mar 09 17:27
20	u0318876.d	1.	BKS108677	BKS108677	18 Mar 09 17:59
21	u0318877.d	1.	903094-001-001-1/1	TO1 04?	18 Mar 09 18:32
22	u0318878.d	1.	903094-001-001-1/1MS	TO1 04?MS	18 Mar 09 19:04
23	u0318879.d	1.	AR1660-3 44967	8082 STD	18 Mar 09 19:36
23	u0318880.d	1.	AR1660-3	8082 STD	18 Mar 09 20:08
24	u0318881.d	1.	903094-001-001-1/1MSD	TO1 04?MSD	18 Mar 09 20:40
25	u0318882.d	1.	903094-002-002-1/1	TO2 047533	18 Mar 09 21:12
26	u0318883.d	1.	BLK108643	BLK108643	18 Mar 09 21:44
27	u0318884.d	1.	BKS108643	BKS108643	18 Mar 09 22:16
28	u0318885.d	1.	903076-001-001-1/1	01-7001-03-04-09	18 Mar 09 22:48
29	u0318886.d	1.	903076-001-001-1/1MS	01-7001-03-04-09MS	18 Mar 09 23:20
30	u0318887.d	1.	903076-001-001-1/1MSD	01-7001-03-04-09MSD	18 Mar 09 23:52
31	u0318888.d	1.	903076-002-002-1/1	02-7002-03-04-09	19 Mar 09 00:24
32	u0318889.d	1.	903077-002-002-1/1	02-7002-03-10-09	19 Mar 09 00:56
33	u0318890.d	1.	903077-001-001-1/1	01-7002-03-10-09	19 Mar 09 01:28
34	u0318891.d	1.	HEXANE		19 Mar 09 02:00
35	u0318892.d	1.	AR1660-3 44967	8082 STD	19 Mar 09 02:32
35	u0318893.d	1.	AR1660-3	8082 STD	19 Mar 09 03:05

ZS

Comments:

GC ANALYSIS LOG

Intrument ID: HP5890 # U

Reviewed by: RP Date: 3/23/09

Data Acquisition Method:	Pest32 / (PCB32) / Herb32
Injector Temp (oC):	180 / ~~200~~ / 240 /
Detector Temp(oC):	(300)
Oven Initial Temp(oC):	60 / (150) /
Initial Time (min):	0.0 / 0.50 / (1.0) /
Ramp Rate (oC/min) :	10-200-4 / 11-250-4 / 18-300-2
Final Temp(oC):	200 / 275 / (300) /
Injection Volume(uL):	(1.0) / 2.0 / 2.5 /

Detector A

Column:	RTX-CLP 30meter
ID:	0.32 mm

Detector B

Column:	RTX-CLP2 30 meter
ID:	0.32 mm

ICAL Method: 031809U.M

Analyst: ZS

Seq.	File ID	GPL ID	Dil	Matrix	Date	Comments
031909	U					

Injection Log

Directory: h:\gcdata\u\031909

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
36	u0318894.d	1.	AR2154-3 44578	8082 STD	19 Mar 09 07:23
1	u0318895.d	1.	AR2154-5 44575	8082 STD	19 Mar 09 08:08
2	u0318896.d	1.	AR2154-4 44577	8082 STD	19 Mar 09 08:40
3	u0318897.d	1.	AR2154-2 44580	8082 STD	19 Mar 09 09:12
4	u0318898.d	1.	AR2154-1 44581	8082 STD	19 Mar 09 09:45
5	u0318899.d	1.	AR2154-0.5 44582	8082 STD	19 Mar 09 10:17
6	u0318900.d	1.	BLK108672	BLK108672	19 Mar 09 10:49
7	u0318901.d	1.	BKS108672	BKS108672	19 Mar 09 11:21
8	u0318902.d	1.	903089-001-001-1/1	SAMPLE 1	19 Mar 09 11:53
9	u0318903.d	1.	903089-001-001-1/1 20X	SAMPLE 1DL	19 Mar 09 12:25
10	u0318904.d	1.	903089-001-001-1/1MS	SAMPLE 1MS	19 Mar 09 12:57
11	u0318905.d	1.	903089-001-001-1/1MS 10X	SAMPLE 1MSDL	19 Mar 09 13:29
12	u0318906.d	1.	903089-001-001-1/1MSD	SAMPLE 1MSD	19 Mar 09 14:01
13	u0318907.d	1.	903089-001-001-1/1MSD 10X	SAMPLE 1MSDDL	19 Mar 09 14:33
14	u0318908.d	1.	HEXANE		19 Mar 09 17:45
9	u0318909.d	1.	903089-001-001-1/1 20X	SAMPLE 1DL	19 Mar 09 15:37
15	u0318910.d	1.	903089-001-001-1/1 40X	SAMPLE 1DL	19 Mar 09 16:09
11	u0318911.d	1.	903089-001-001-1/1MS 20X	SAMPLE 1MSDL	19 Mar 09 16:41
13	u0318912.d	1.	903089-001-001-1/1MSD 20X	SAMPLE 1MSDDL	19 Mar 09 17:13
16	u0318913.d	1.	AR1660-3 44567	8082 STD	19 Mar 09 18:18
16	u0318914.d	1.	AR1660-3	8082 STD	19 Mar 09 18:50
17	u0318915.d	1.	AR2154-3 44578	8082 STD	19 Mar 09 19:22
18	u0318916.d	1.	BLK108677	BLK108677	19 Mar 09 19:54
19	u0318917.d	1.	BKS108677	BKS108677	19 Mar 09 20:26
20	u0318918.d	1.	903094-001-001-1/1	TO1 04?	19 Mar 09 20:58
21	u0318919.d	1.	903094-001-001-1/1MS	TO1 04?MS	19 Mar 09 21:30
22	u0318920.d	1.	903094-001-001-1/1MSD	TO1 04?MSD	19 Mar 09 22:02
23	u0318921.d	1.	903094-002-002-1/1	TO2 047533	19 Mar 09 22:34
24	u0318922.d	1.	BLK108710	BLK108710	19 Mar 09 23:06
25	u0318923.d	1.	BKS108710	BKS108710	19 Mar 09 23:38
26	u0318924.d	1.	903112-001-001-1/1MS	01-117 03-17-09MS	20 Mar 09 00:10
27	u0318925.d	1.	HEXANE	8082 STD	20 Mar 09 00:42
28	u0318926.d	1.	AR1660-3	8082 STD	20 Mar 09 01:14
28	u0318927.d	1.	AR1660-3 44567	8082 STD	20 Mar 09 01:46
29	u0318928.d	1.	903112-001-001-1/1MSD	01-117 03-17-09MSD	20 Mar 09 02:18
30	u0318929.d	1.	903112-001-001-1/1	01-117 03-17-09	20 Mar 09 02:50
31	u0318930.d	1.	903112-002-002-1/1	02-117 03-17-09	20 Mar 09 03:22
32	u0318931.d	1.	903077-002-002-1/1	02-7002-03-10-09	20 Mar 09 03:54
33	u0318932.d	1.	HEXANE		20 Mar 09 04:26
34	u0318933.d	1.	AR1660-3	8082 STD	20 Mar 09 04:59
34	u0318934.d	1.	AR1660-3 44567	8082 STD	20 Mar 09 05:31

ZS

Comments:

465 of 697

GC ANALYSIS LOG

Intrument ID: HP5890 **# U** Reviewed by: RP Date: 5/14/09

Data Acquisition Method:	Pest32 / PCB32 / Herb32
Injector Temp (oC):	180 / 200 / 240 /
Detector Temp(oC):	300
Oven Initial Temp(oC):	60 / 150 /
Initial Time (min):	0.0 / 0.50 / 1.0 /
Ramp Rate (oC/min) :	10-200-4/11-250-4/18-300-2
Final Temp(oC):	200 / 275 / 300 /
Injection Volume(uL):	1.0 / 2.0 / 2.5 /

Detector A

Column:	RTX-CLP	30meter
ID:	0.32 mm	

Detector B

Column:	RTX-CLP2	30 meter
ID:	0.32 mm	

ICAL Method: 031809V.m Analyst: ZS

Seq.	File ID	GPL ID	Dil	Matrix	Date	Comments
051309	U					
	U					
	U					
	U					
	U					
	U					
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	U					
	U					
	U					
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	U					
	U					
	U					
	U					
	U					
	U					
	U					

Directory: h:\gcdata\u\051309

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	u0319524.d	1.	AR1660-3 44467	8082 STD	13 May 09 09:2
2	u0319525.d	1.	BLK109736	BLK109736	13 May 09 09:5
3	u0319526.d	1.	BKS109736	BKS109736	13 May 09 10:2
4	u0319527.d	1.	905070-001-029-1/2	OUI-FB050709	13 May 09 10:5
5	u0319528.d	1.	905070-002-031-1/2	OUI-EB01-050709	13 May 09 11:3
6	u0319529.d	1.	905068-001-001-1/6	OUI-17GW03-0509	13 May 09 12:0
7	u0319530.d	1.	905068-001-001-1/6MS	OUI-17GW03-0509MS	13 May 09 12:3
8	u0319531.d	1.	905068-001-001-1/6MSD	OUI-17GW03-0509MSD	13 May 09 13:0
9	u0319532.d	1.	905068-002-013-1/2	OUI-17GW03P-0509	13 May 09 13:3
10	u0319533.d	1.	AR1660-3 44467	8082 STD	13 May 09 14:1

ZS

Comments:

ION CHROMATOGRAPHY ANALYSES

GPL Laboratories

A. QC Summary

1. Matrix Spike/ Matrix Spike Duplicate Summary
2. Laboratory Control Standard Summary (where applicable)

GPL Laboratories, LLLP

Form 3 MD/MS

E300 CHEMISTRY DUPLICATE/MATRIX SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLC Client: CH2M Hill

GPL Work-Order: 905070

Analyte	Method	Sample ID	Sample Conc. (mg/L)	Duplicate Conc. (mg/L)	RPD	RPD Limit
Chloride	E300.0	OU1-16GW50-0509	9.7	10.2	4.247	15%
Nitrite-N	E300.0	OU1-16GW50-0509	BQL	BQL	N/C	15%
Nitrate-N	E300.0	OU1-16GW50-0509	BQL	BQL	N/C	15%

RPD - 0 out of 3 outside control limits

Analyte	Method	Sample ID	Sample Conc. (mg/L)	MS Conc. (mg/L)	Spike Added (mg/L)	MS % Recov.	MS Recovery Limits
Chloride	E300.0	OU1-16GW50-0509	9.7	19.7	10.0	100	90 - 110%
Nitrite-N	E300.0	OU1-16GW50-0509	0.00	1.09	1.00	109	90 - 110%
Nitrate-N	E300.0	OU1-16GW50-0509	0.000	1.05	1.00	104.5	90 - 110%

Recovery - 0 out of 3 outside control limits

General Chemistry Form VII

E300 LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: GPL Laboratories

Client: CH2M Hill

QC Sample ID: #45307/#44035

FILE:090507_78/79

LCSL (5/7/09)

Analyte	LCS True Value (mg/L)	LCS Concentration (mg/L)	LCS %Recovery	Recovery Control Limits
Chloride	158	149	94.6	85 - 115%
Nitrite-N	732	591	80.7*	85 - 115%
Nitrate-N	187	173	92.4	85 - 115%

Recovery - 1 out of 3 outside Control Limits

LCSH (5/7/09)

Analyte	LCS True Value (mg/L)	LCS Concentration (mg/L)	LCS %Recovery	Recovery Control Limits
Chloride	158	147	93.0	85 - 115%
Nitrate-N	187	169	90.2	85 - 115%

Recovery - 0 out of 2 outside Control Limits

B. Sample Data

GPL Laboratories, LLLP

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-013-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

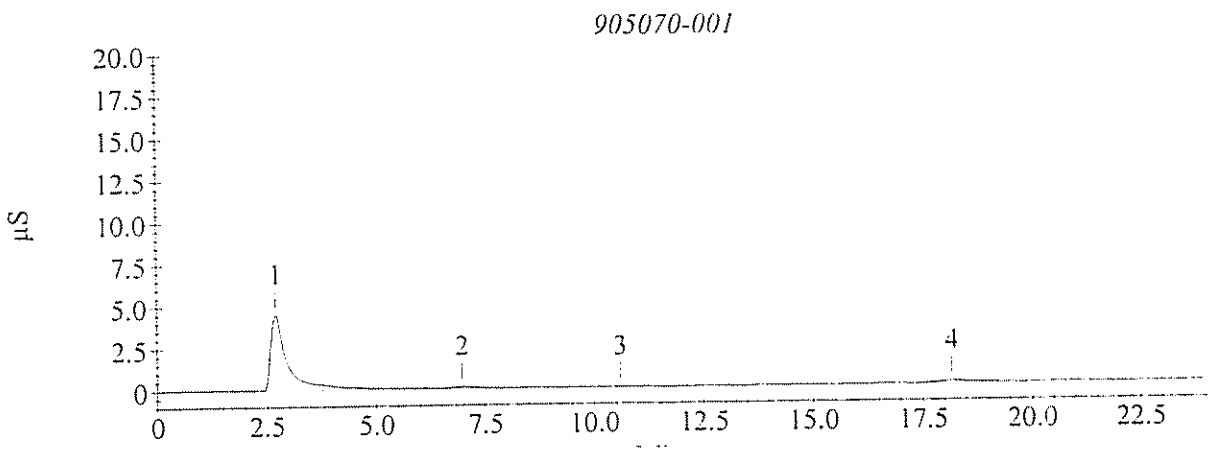
Sample Analysis Report

Sample Name : 905070-001
Data File Name : I:\ICDATA\IC500\090507\090507__080.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/8/09 9:40:23 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.70	0.000	1201188	44742
2	Chloride	6.97	-0.033	33951	893
	Nitrite-N				
	Bromide				
	Nitrate-N				
4	Phosphate-P	18.17	0.092	60611	1269
	Sulfate				



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-014-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

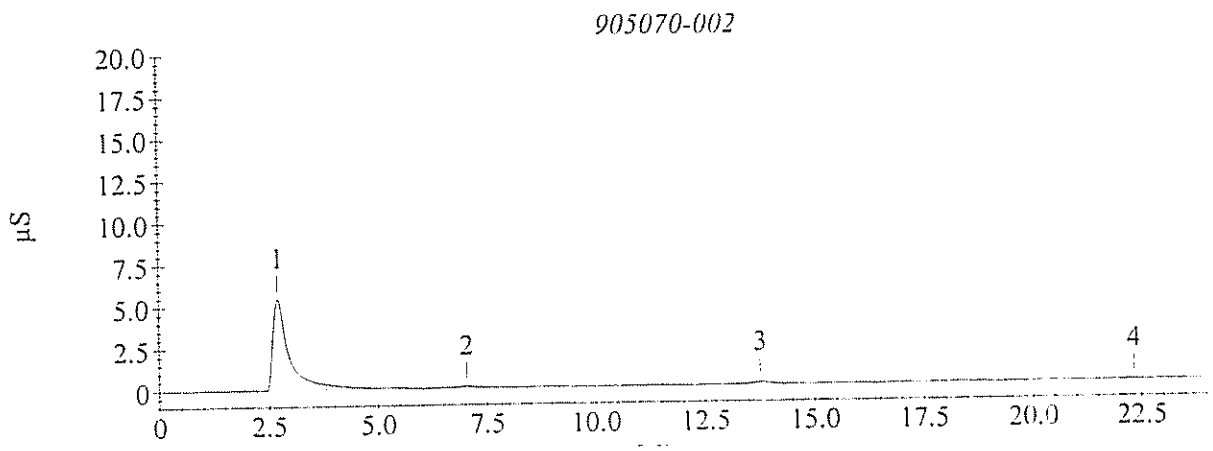
Sample Analysis Report

Sample Name : 905070-002
Data File Name : I:\ICDATA\IC500\090507\090507__081.DXD

Method File Name : h:\icdata\methods\method 300\090413I-300-0.met
Date Time Collected : 5/8/09 10:07:00 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.70	0.000	1444966	54309
2	Chloride	7.03	-0.051	18177	756
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
4	Sulfate	22.33	0.035	5765	213



GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

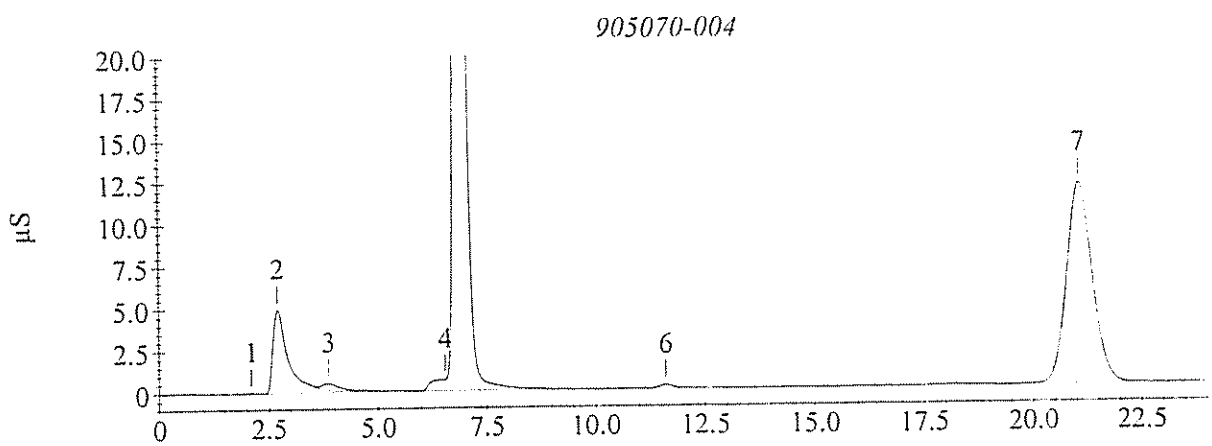
Sample Analysis Report

Sample Name : 905070-004
Data File Name : I:\ICDATA\IC500\090507\090507__082.DXD

Method File Name : h:\icdata\methods\method 300\090413I-300-0.met
Date Time Collected : 5/8/09 10:33:39 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
3	Fluoride	3.87	0.125	127430	3793
5	Chloride	6.90	12.984	11700904	700731
	Nitrite-N				
6	Bromide	11.60	0.146	45664	2060
	Nitrate-N				
	Phosphate-P				
7	Sulfate	21.07	7.468	4905011	119044



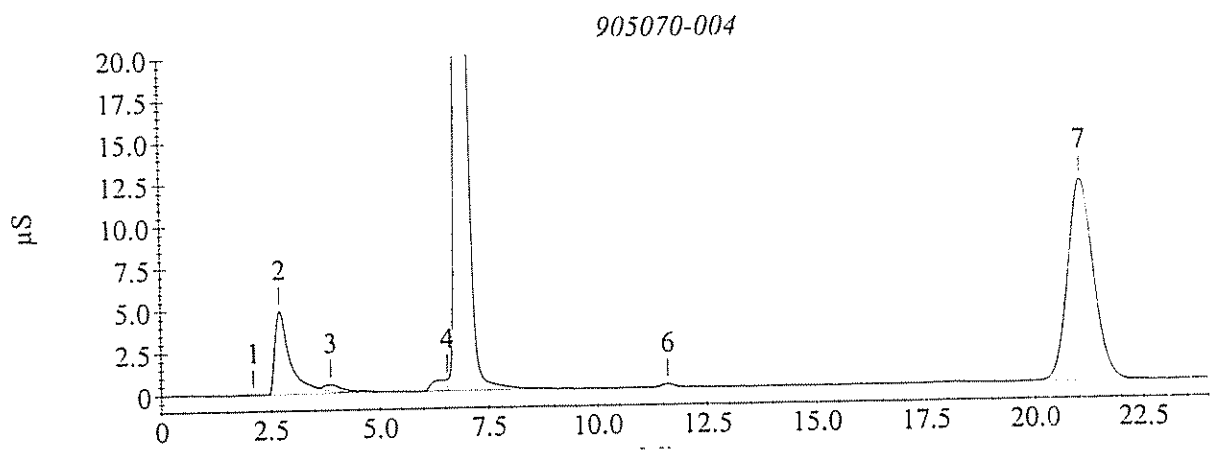
Sample Analysis Report

Sample Name : 905070-004
Data File Name : I:\ICDATA\IC500\090507\090507__082.DXD

Method File Name : H:\ICDATA\METHODS\METHOD 300\090413H-300-0.met
Date Time Collected : 5/8/09 10:33:39 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
3	Fluoride	3.87	-1.062	127430	3793
5	Chloride	6.90	9.748	11700904	700731
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
7	Sulfate	21.07	7.061	4905011	119044



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-049-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

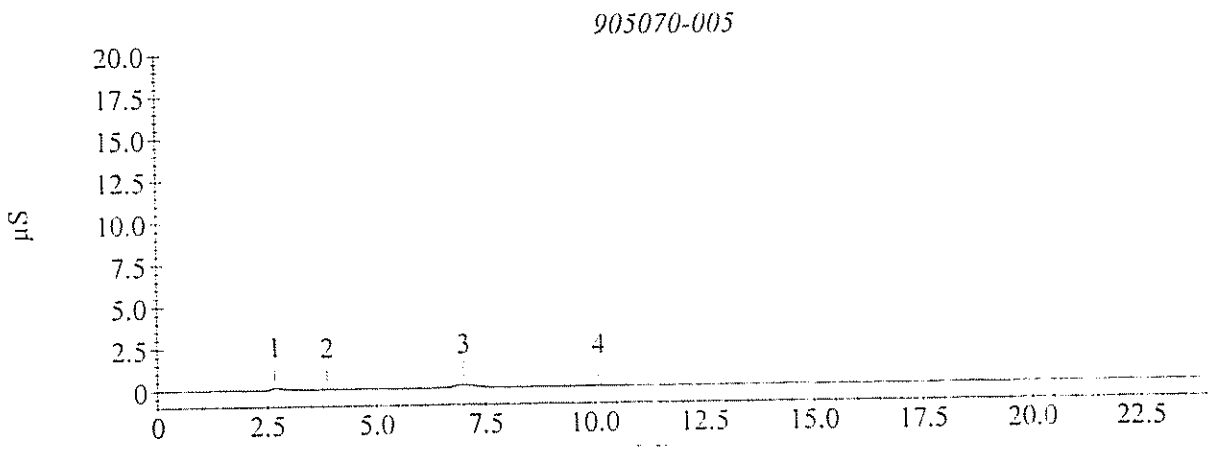
Sample Analysis Report

Sample Name : 905070-005
Data File Name : I:\ICDATA\IC500\090507\090507__085.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/8/09 11:53:35 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.87	0.030	6424	430
3	Chloride	7.00	-0.004	60328	1635
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
	Sulfate				



C. Standard Data

1. Initial Calibration Data
2. Continuing Calibration Data

GPL Laboratories, LLLP

General Chemistry Form 2

E300.0 CONTINUING CALIBRATION CHECK STANDARD RECOVERY

Lab Name: GPL Laboratories, LLLC

Client: CH2M Hill

Work-Order # 905068

STD Solution ID: 45540

5/7/09

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVL6	**Chloride**	1.25	1.20	96	90 - 110%
	Nitrite-N	1.25	1.24	99	90 - 110%
	Nitrate-N	1.25	1.17	93.5	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVL7	**Chloride**	1.25	1.24	99.1	90 - 110%
	Nitrite-N	1.25	1.24	99.4	90 - 110%
	Nitrate-N	1.25	1.18	94.5	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH6	**Chloride**	20	19.52	98	90 - 110%
	Nitrite-N	20	21.69	108	90 - 110%
	Nitrate-N	20	19.04	95.2	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH7	**Chloride**	20.0	19.8	98.8	90 - 110%
	Nitrate-N	20.0	19.3	96.3	90 - 110%

5/11/09

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH1	**Chloride**	20.0	20.7	103.3	90 - 110%
	Nitrate-N	20.0	20.1	100.6	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH2	**Chloride**	20.0	20.8	104	90 - 110%
	Nitrate-N	20.0	20.2	101.2	90 - 110%

Method Information : Select Module(s)

System Name : DX 500
System Number : 1
Method Type : Ion Chromatography
Column :
Analyst :
Comment : (null)

CD20 Timed Events

Module Name : CD20
Module Serial Number :
SRS Current : 100 mA
Temperature Compensation : 1.7 (% / °C)
Cell Temperature : 35 °C

Time	Range (µS)	Offset	Mark	TTL1	TTL2	Relay1	Relay2	Collect
Init	10.000			Low	Low	Open	Open	
0.00	10.000			Low	Low	Open	Open	
2.40	10.000	*		Low	Low	Open	Open	
2.50	10.000			Low	Low	Open	Open	Begin

CD20 Detector Parameters

Detector Type : CD20
Data collection time (minutes) : 24.00
Data Collection Rate : 5.00
Real time plot scale maximum (µS) : 20.000
Real time plot scale minimum (µS) : -1.000

CD20 Integration Parameters

Peak detection algorithm : Standard
Starting peak width (seconds) : 20.00
Peak threshold : 0.50
Peak area reject (area counts) : 1000.00
Reference peak area reject (area counts) : 1000.00

CD20 Smoothing Parameters

Filter Type : No filter

CD20 Report Data

Report Format File : C:\PeakNet\method\DEFAULT.RPT
Print Sample Analysis : No
Print Calibration Update : No
Print Check Standard : No
System Suitability Tests :
No system suitability tests selected.

CD20 Integration Data Events

CD20 Calibration Parameters

External or internal calibration : EXTERNAL
Number of replicates for calibration : 1
Rejection : Manual
Level Weighting : Equal
Calibration standard volume : 1.00
Default sample volume : 1.00
Amount units :
Replace retention time : Yes
Update response : Yes
Default dilution factor : 1.00
Default response factor for unknown peaks : 0.00
Calculate unknowns by area or height : Area

CD20 Component Identification Table

Component	Retention	Tolerance	Reference
Fluoride	3.83 min	1.00 min	
Chloride	7.03 min	1.00 min	
Nitrite-N	9.10 min	1.00 min	
Bromide	12.37 min	1.00 min	
Nitrate-N	14.80 min	1.00 min	
Phosphate-P	18.77 min	1.00 min	
Sulfate	21.37 min	1.00 min	

CD20 Component Quantitation Table

Component	Retention	Low Limit	High Limit
Fluoride	3.83 min	0	0
Chloride	7.03 min	0	0
Nitrite-N	9.10 min	0	0
Bromide	12.37 min	0	0
Nitrate-N	14.80 min	0	0
Phosphate-P	18.77 min	0	0
Sulfate	21.37 min	0	0

CD20 Component Calibration Table

Component	Retention Time	Curve Fit	Origin	Cal. by	Response Component	Relative Factor
Fluoride	3.83 min	Linear	Ignore	Area		0.00
Chloride	7.03 min	Linear	Ignore	Area	Fluoride	0.00
Nitrite-N	9.10 min	Linear	Ignore	Area	Fluoride	0.00
Bromide	12.37 min	Linear	Ignore	Area	Fluoride	0.00
Nitrate-N	14.80 min	Linear	Ignore	Area	Fluoride	0.00
Phosphate-P	18.77 min	Linear	Ignore	Area	Fluoride	0.00
Sulfate	21.37 min	Linear	Ignore	Area	Fluoride	0.00

CD20 Component = Fluoride Levels Table

Retention Time : 3.83 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	21958
2	0.10	113467
3	0.25	281330
4	0.50	555491
5	1.00	1.20752e+006
6	2.50	3.17834e+006

CD20 Component = Chloride Levels Table

Retention Time : 7.03 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	65491.3
2	0.10	166607
3	0.25	272879
4	0.50	490401
5	1.00	987410
6	2.50	2.29777e+006

CD20 Component = Nitrite-N Levels Table

Retention Time : 9.10 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	62855.3
2	0.10	131225
3	0.25	369975
4	0.50	751454
5	1.00	1.64864e+006
6	2.50	4.29168e+006

CD20 Component = Bromide Levels Table

Retention Time : 12.37 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	2913.3
2	0.10	30854
3	0.25	88235.8
4	0.50	178961
5	1.00	360053
6	2.50	938874

CD20 Component = Nitrate-N Levels Table

Retention Time : 14.80 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	5156.9
2	0.10	193959
3	0.25	520051
4	0.50	1.04419e+006
5	1.00	2.24932e+006
6	2.50	6.14664e+006

CD20 Component = Phosphate-P Levels Table

Retention Time : 18.77 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	8388.6
2	0.10	78077.4
3	0.25	185575
4	0.50	400250
5	1.00	900558
6	2.50	2.1814e+006

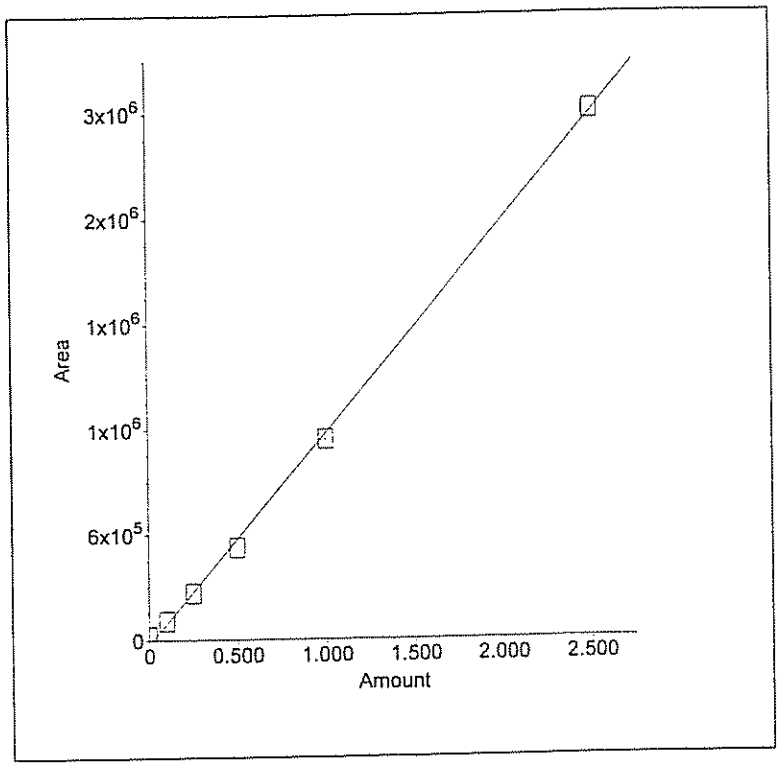
CD20 Component = Sulfate Levels Table

Retention Time : 21.37 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

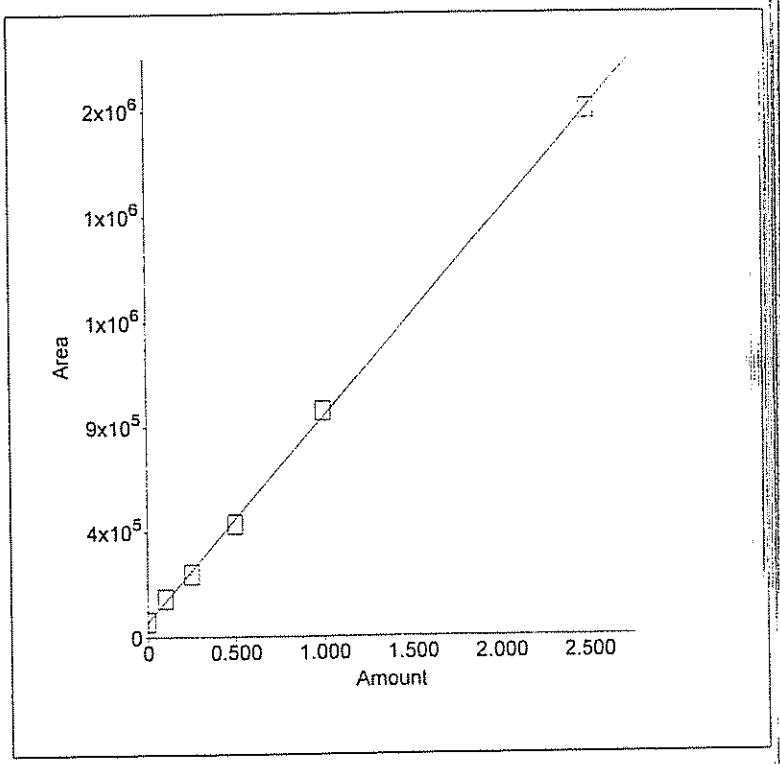
Level	Amount	Replicate 1
1	0.00	6080.9
2	0.10	53583
3	0.25	152585
4	0.50	287349
5	1.00	659592
6	2.50	1.62684e+006

CD20 XY Data Parameters

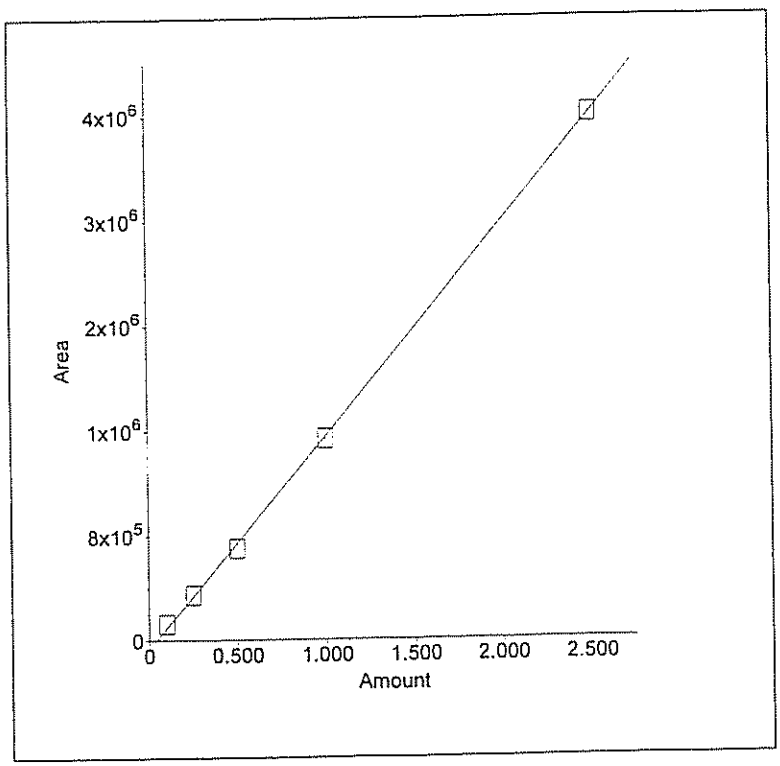
1. Component:Fluoride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998950
Amt=7.843e-007*Resp+0.02462



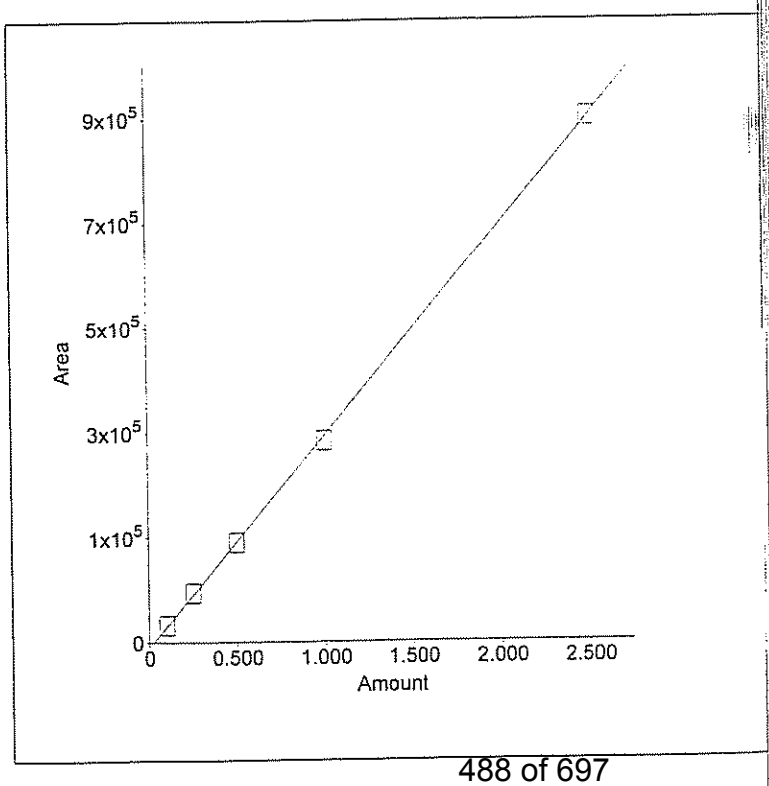
2. Component:Chloride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999533
Amt=1.116e-006*Resp+-0.071



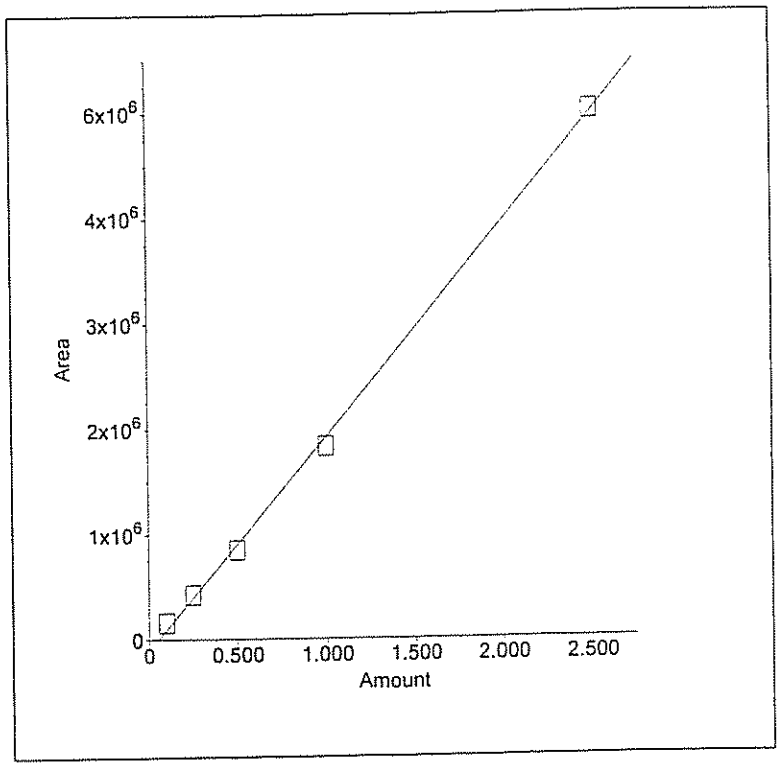
3. Component:Nitrite-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999691
Amt=5.736e-007*Resp+0.04475



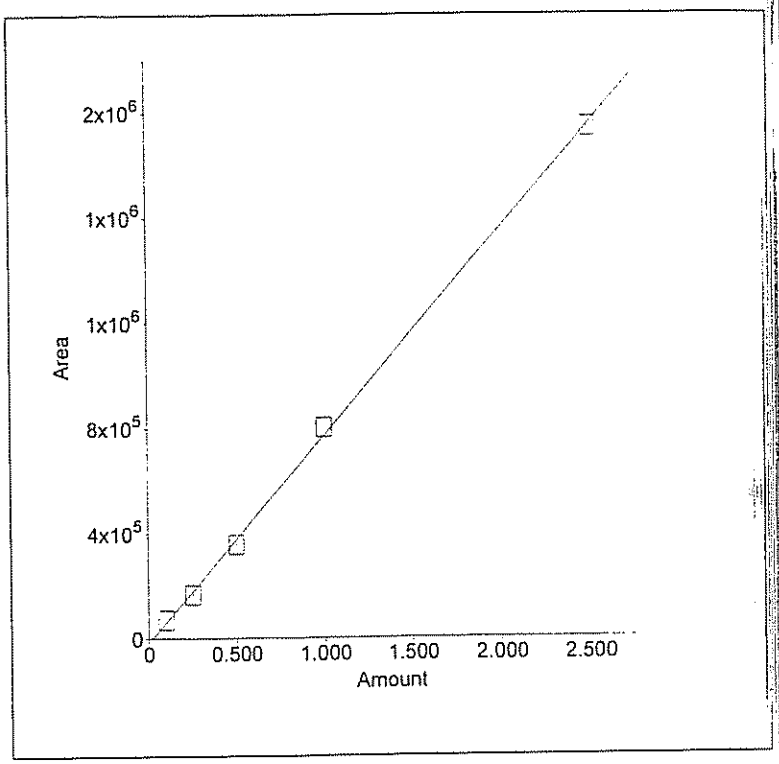
4. Component:Bromide
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999816
Amt=2.644e-006*Resp+0.02556



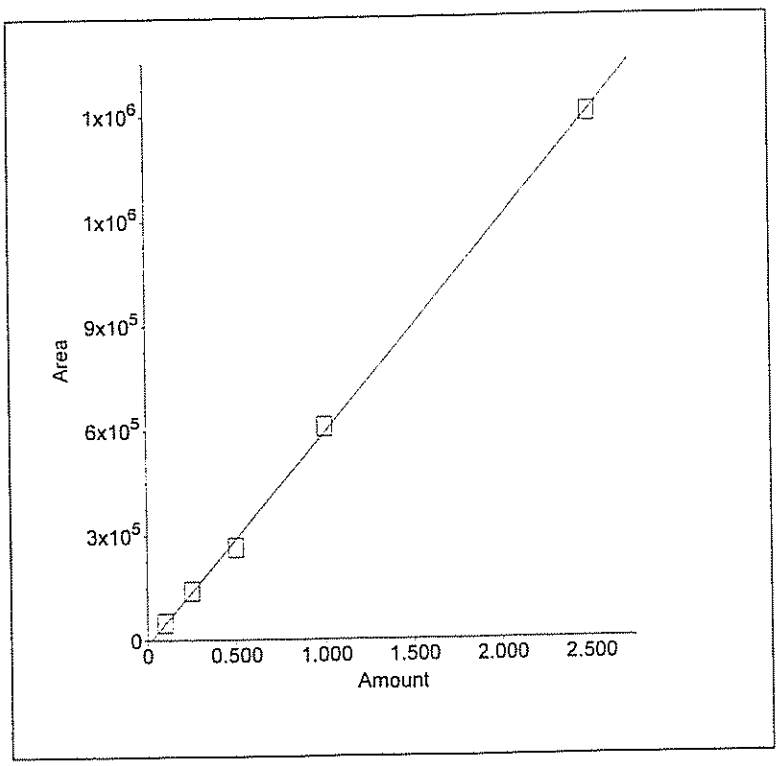
5. Component:Nitrate-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998897
Amt=4.003e-007*Resp+0.05713



6. Component:Phosphate-P
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999253
Amt=1.13e-006*Resp+0.02338



7. Component:Sulfate
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999392
Amt=1.517e-006*Resp+0.0265



Calibration Update Report

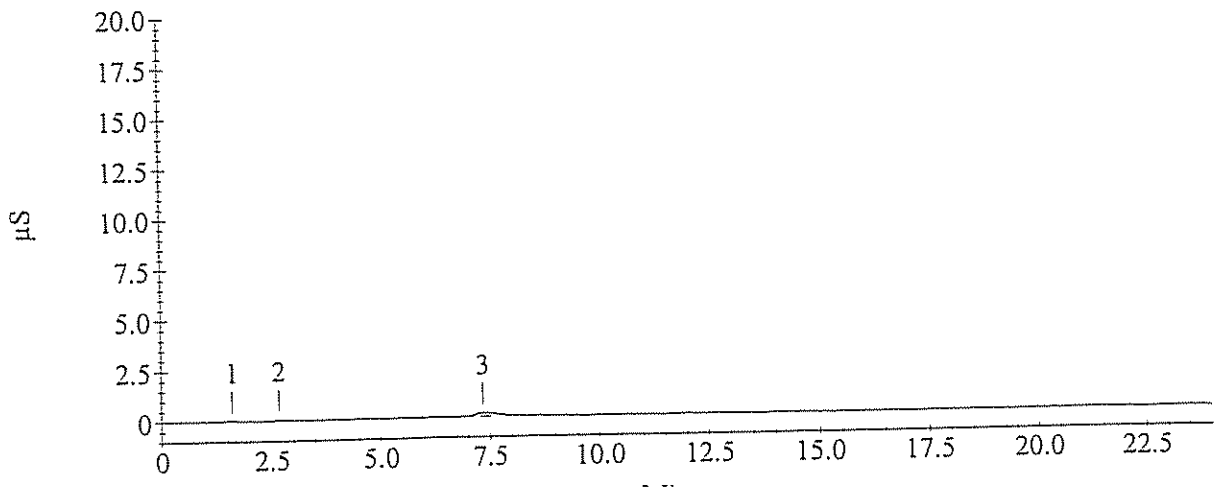
Sample Name : STD 1 - BLK
Data File Name : I:\ICDATA\IC500\090413\090413__003.DXD

Method File Name : H:\icdata\methods\method 300\0904131-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 1:31:24 PM
Calibration Date : 4/14/09 8:00:34 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1		1.60			
3	Chloride	7.33	14141	65491	65491
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
	Sulfate				

STD 1 - BLK



Calibration Update Report

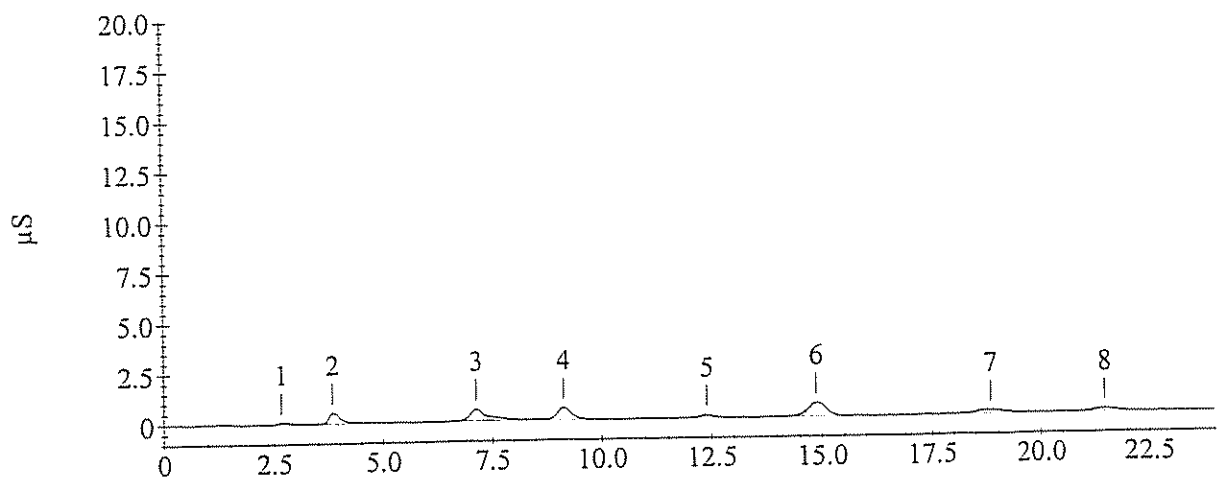
Sample Name : STD 2 - 0.10 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__004.DXD

Method File Name : H:\icdata\methods\method 300\0904131-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 1:57:41 PM
Calibration Date : 4/14/09 8:01:11 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	109228	113467	113467
3	Chloride	7.13	111281	166607	166607
4	Nitrite-N	9.13	238116	131225	131225
5	Bromide	12.40	36053	30854	30854
6	Nitrate-N	14.87	37172	193959	193959
7	Phosphate-P	18.83	224601	78077	78077
8	Sulfate	21.47	90391	53583	53583

STD 2 - 0.10 mg/L



Calibration Update Report

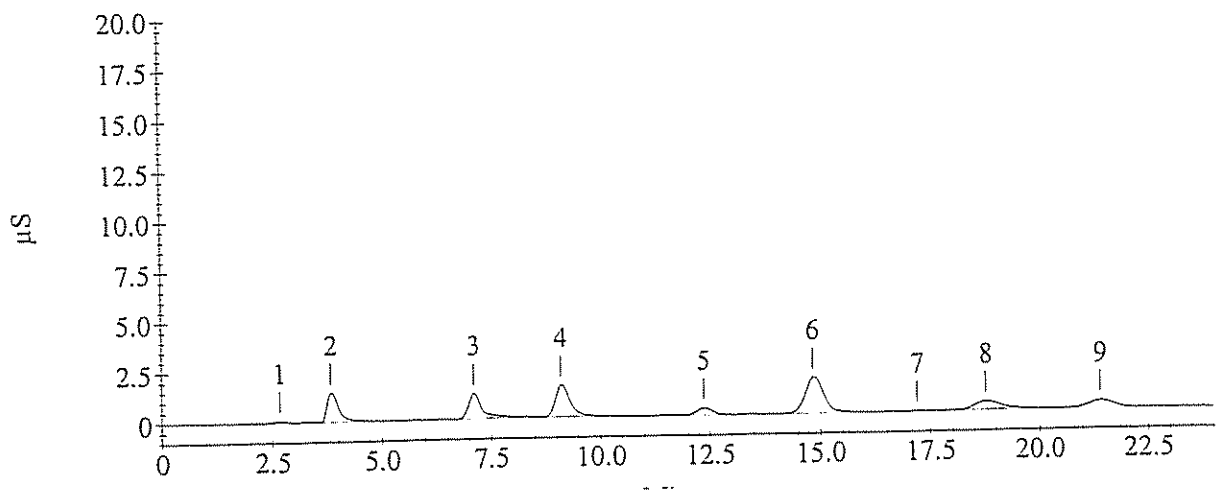
Sample Name : STD 3 - 0.25 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__005.DXD

Method File Name : H:\icdata\methods\method 300\0904131-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 2:23:59 PM
Calibration Date : 4/14/09 8:01:44 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	251932	281330	281330
3	Chloride	7.10	200312	272879	272879
4	Nitrite-N	9.10	359105	369975	369975
5	Bromide	12.37	88554	88236	88236
6	Nitrate-N	14.83	97081	520051	520051
8	Phosphate-P	18.77	508882	185575	185575
9	Sulfate	21.40	197237	152585	152585

STD 3 - 0.25 mg/L



Calibration Update Report

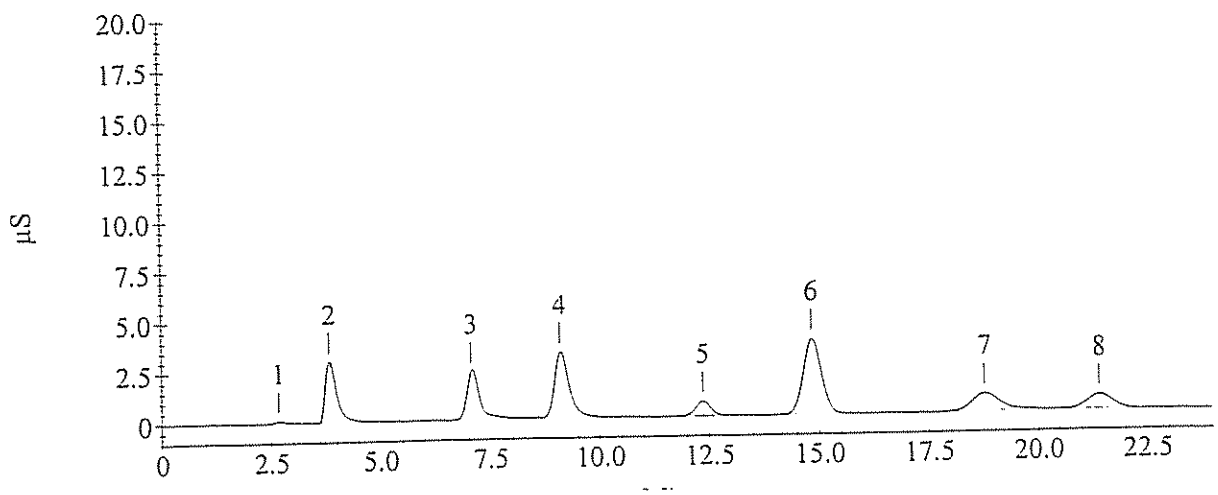
Sample Name : STD 4 - 0.50 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__006.DXD

Method File Name : H:\icdata\methods\method 300\090413l-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 2:50:13 PM
Calibration Date : 4/14/09 8:02:12 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	566172	555491	555491
3	Chloride	7.07	436667	490401	490401
4	Nitrite-N	9.10	820570	751454	751454
5	Bromide	12.37	165498	178961	178961
6	Nitrate-N	14.83	175692	1044193	1044193
7	Phosphate-P	18.77	1049405	400250	400250
8	Sulfate	21.40	358856	287349	287349

STD 4 - 0.50 mg/L



Calibration Update Report

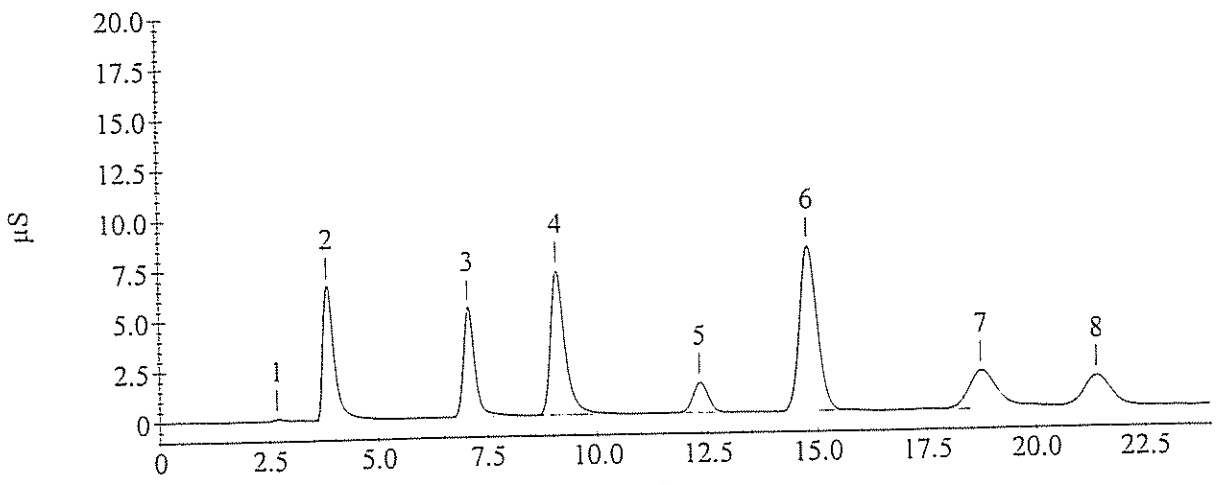
Sample Name : STD 5 - 1.00 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__007.DXD

Method File Name : H:\icdata\methods\method 300\090413l-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 3:16:25 PM
Calibration Date : 4/14/09 8:02:39 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	1163792	1207516	1207516
3	Chloride	7.07	856054	987410	987410
4	Nitrite-N	9.10	1743424	1648637	1648637
5	Bromide	12.33	356395	360053	360053
6	Nitrate-N	14.80	358323	2249320	2249320
7	Phosphate-P	18.73	2221217	900558	900558
8	Sulfate	21.40	803128	659592	659592

STD 5 - 1.00 mg/L



Calibration Update Report

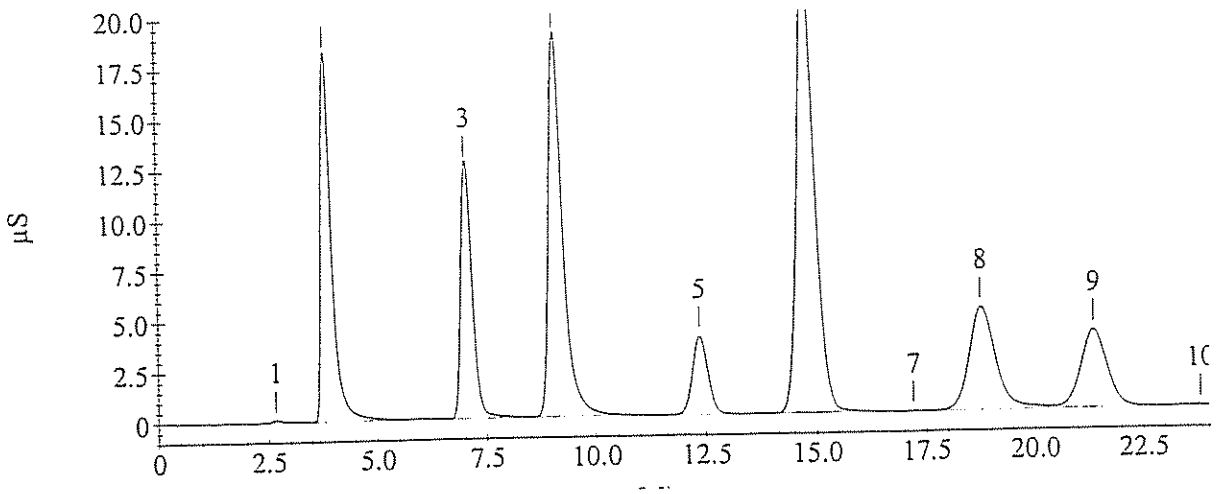
Sample Name : STD 6 - 2.50 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__008.DXD

Method File Name : H:\icdata\methods\method 300\090413l-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 3:42:44 PM
Calibration Date : 4/14/09 8:03:06 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	3297188	3178336	3178336
3	Chloride	7.03	2357835	2297767	2297767
4	Nitrite-N	9.10	4384638	4291678	4291678
5	Bromide	12.37	912041	938874	938874
6	Nitrate-N	14.80	970312	6146640	6146640
8	Phosphate-P	18.77	6452433	2181396	2181396
9	Sulfate	21.37	2207460	1626845	1626845

STD 6 - 2.50 mg/L



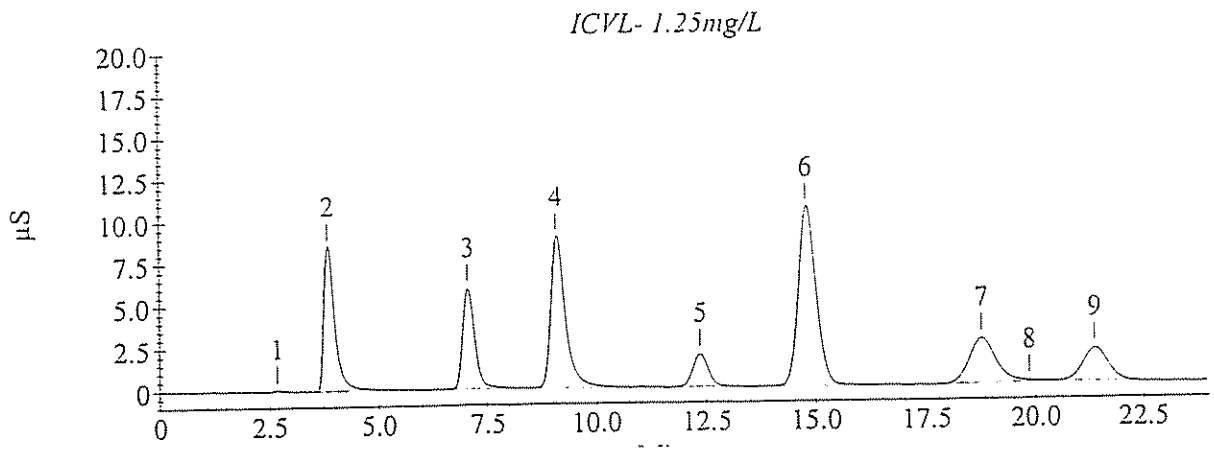
Sample Analysis Report

Sample Name : ICVL- 1.25mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__015.DXD

Method File Name : h:\icdata\methods\method 300\090413l-300-0.met
Date Time Collected : 4/13/09 6:46:30 PM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.83	1.201	1499759	84645
3	Chloride	7.07	1.203	1142085	58961
4	Nitrite-N	9.10	1.237	2077514	88478
5	Bromide	12.37	1.249	462831	19149
6	Nitrate-N	14.80	1.233	2937372	105257
7	Phosphate-P	18.77	1.318	1145547	26574
9	Sulfate	21.37	1.252	807712	19615



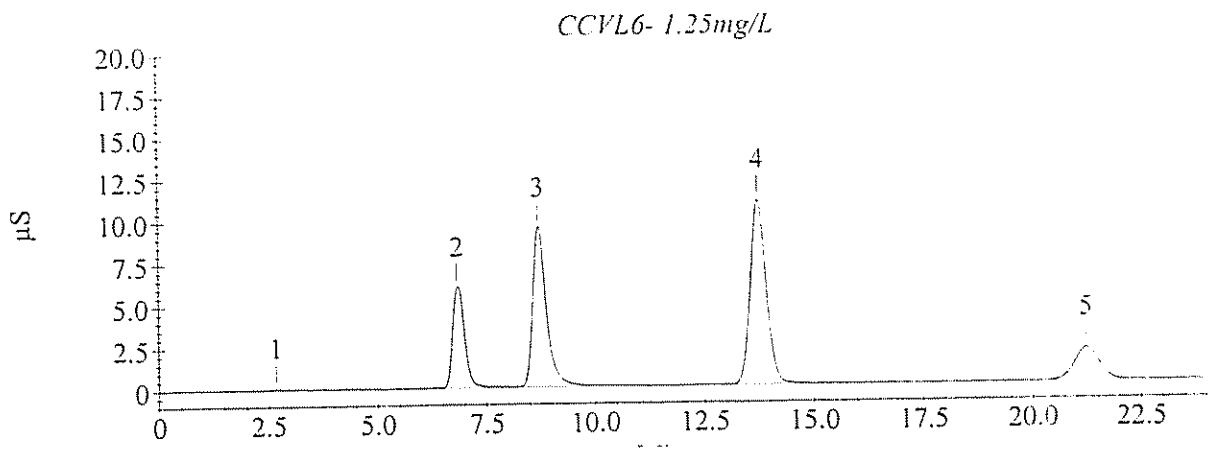
Sample Analysis Report

Sample Name : CCVL6- 1.25mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__076.DXD

Method File Name : h:\icdata\methods\method 300\090413l-300-0.met
Date Time Collected : 5/8/09 7:53:48 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.67	0.000	7740	538
2	Chloride	6.83	1.204	1142398	59362
3	Nitrite-N	8.70	1.237	2078840	93857
4	Bromide Nitrate-N	13.73	1.169	2777233	109428
5	Phosphate-P Sulfate	21.23	1.221	787341	19562



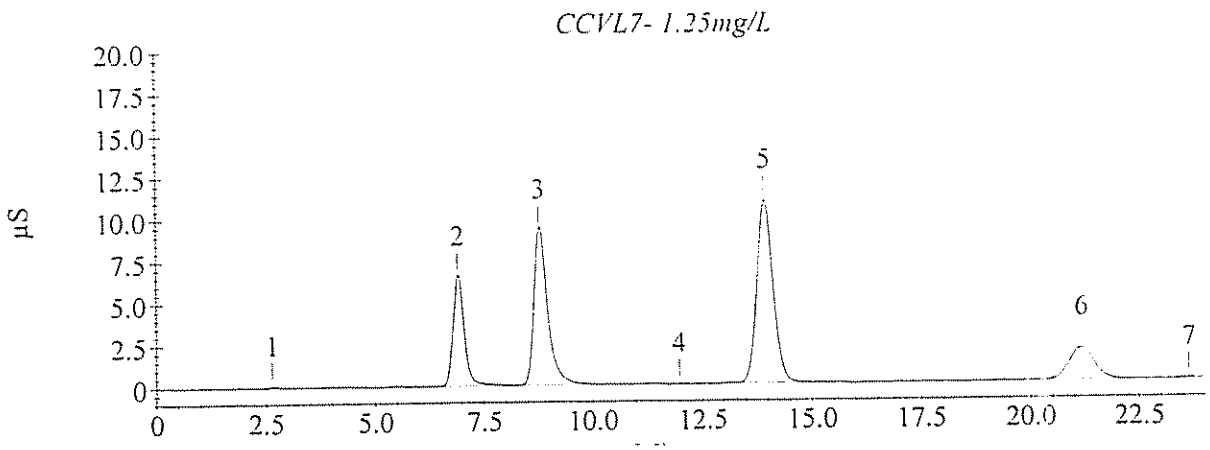
Sample Analysis Report

Sample Name : CCVL7- 1.25mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__088.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/9/09 1:13:32 AM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.63	0.000	12875	683
2	Chloride	6.90	1.239	1174245	64763
3	Nitrite-N	8.77	1.242	2086765	92061
4	Bromide	11.97	0.036	3916	237
5	Nitrate-N	13.93	1.181	2808763	108821
	Phosphate-P				
6	Sulfate	21.17	1.192	768114	19221



Method Information : Select Module(s)

System Name : DX 500
System Number : 1
Method Type : Ion Chromatography
Column :
Analyst :
Comment : (null)

CD20 Timed Events

Module Name : CD20
Module Serial Number :
SRS Current : 100 mA
Temperature Compensation : 1.7 (% / °C)
Cell Temperature : 35 °C

Time	Range (µS)	Offset	Mark	TTL1	TTL2	Relay1	Relay2	Collect
Init	10.000			Low	Low	Open	Open	
0.00	10.000			Low	Low	Open	Open	
2.40	10.000	*		Low	Low	Open	Open	
2.50	10.000			Low	Low	Open	Open	Begin

CD20 Detector Parameters

Detector Type : CD20
Data collection time (minutes) : 24.00
Data Collection Rate : 5.00
Real time plot scale maximum (µS) : 20.000
Real time plot scale minimum (µS) : -1.000

CD20 Integration Parameters

Peak detection algorithm : Standard
Starting peak width (seconds) : 20.00
Peak threshold : 0.50
Peak area reject (area counts) : 1000.00
Reference peak area reject (area counts) : 1000.00

CD20 Smoothing Parameters

Filter Type : No filter

CD20 Report Data

Report Format File : C:\PeakNet\method\DEFAULT.RPT
Print Sample Analysis : No
Print Calibration Update : No
Print Check Standard : No
System Suitability Tests :
No system suitability tests selected.

CD20 Integration Data Events

CD20 Calibration Parameters

External or internal calibration : EXTERNAL
Number of replicates for calibration : 1
Rejection : Manual
Level Weighting : Equal
Calibration standard volume : 1.00
Default sample volume : 1.00
Amount units :
Replace retention time : Yes
Update response : Yes
Default dilution factor : 1.00
Default response factor for unknown peaks : 0.00
Calculate unknowns by area or height : Area

CD20 Component Identification Table

Component	Retention	Tolerance	Reference
Fluoride	3.90 min	0.50 min	
Chloride	7.20 min	0.50 min	
Nitrite-N	9.20 min	0.50 min	
Bromide	12.17 min	0.50 min	
Nitrate-N	14.37 min	0.50 min	
Phosphate-P	18.47 min	0.50 min	
Sulfate	20.93 min	0.50 min	

CD20 Component Quantitation Table

Component	Retention	Low Limit	High Limit
Fluoride	3.90 min	0	0
Chloride	7.20 min	0	0
Nitrite-N	9.20 min	0	0
Bromide	12.17 min	0	0
Nitrate-N	14.37 min	0	0
Phosphate-P	18.47 min	0	0
Sulfate	20.93 min	0	0

CD20 Component Calibration Table

Component	Retention Time	Curve Fit	Origin	Cal. by	Response Component	Relative Factor
Fluoride	3.90 min	Quadratic	Ignore	Area		0.00
Chloride	7.20 min	Linear	Ignore	Area	Fluoride	0.00
Nitrite-N	9.20 min	Quadratic	Ignore	Area	Fluoride	0.00
Bromide	12.17 min	Linear	Ignore	Area	Fluoride	0.00
Nitrate-N	14.37 min	Linear	Ignore	Area	Fluoride	0.00
Phosphate-P	18.47 min	Linear	Ignore	Area	Fluoride	0.00
Sulfate	20.93 min	Linear	Ignore	Area	Fluoride	0.00

CD20 Component = Fluoride Levels Table

Retention Time : 3.90 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	3.20567e+006
2	5.00	7.01165e+006
3	10.00	1.44487e+007
4	15.00	2.23534e+007
5	25.00	3.50714e+007
6	50.00	6.36599e+007

CD20 Component = Chloride Levels Table

Retention Time : 7.20 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	2.31513e+006
2	5.00	5.12974e+006
3	10.00	1.1618e+007
4	15.00	1.88113e+007
5	25.00	3.2549e+007
6	50.00	6.87453e+007

CD20 Component = Nitrite-N Levels Table

Retention Time : 9.20 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	4.32597e+006
2	5.00	9.36407e+006
3	10.00	1.90685e+007
4	15.00	2.89646e+007
5	25.00	4.48407e+007
6	50.00	8.0486e+007

CD20 Component = Bromide Levels Table

Retention Time : 12.17 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	934531
2	5.00	1.98601e+006
3	10.00	4.29025e+006
4	15.00	7.06614e+006
5	25.00	1.24593e+007
6	50.00	2.76522e+007

CD20 Component = Nitrate-N Levels Table

Retention Time : 14.37 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	6.17316e+006
2	5.00	1.40164e+007
3	10.00	3.11157e+007
4	15.00	5.03804e+007
5	25.00	8.57761e+007
6	50.00	1.78276e+008

CD20 Component = Phosphate-P Levels Table

Retention Time : 18.47 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	2.16701e+006
2	5.00	4.60608e+006
3	10.00	1.00639e+007
4	15.00	1.65778e+007
5	25.00	2.9113e+007
6	50.00	6.29424e+007

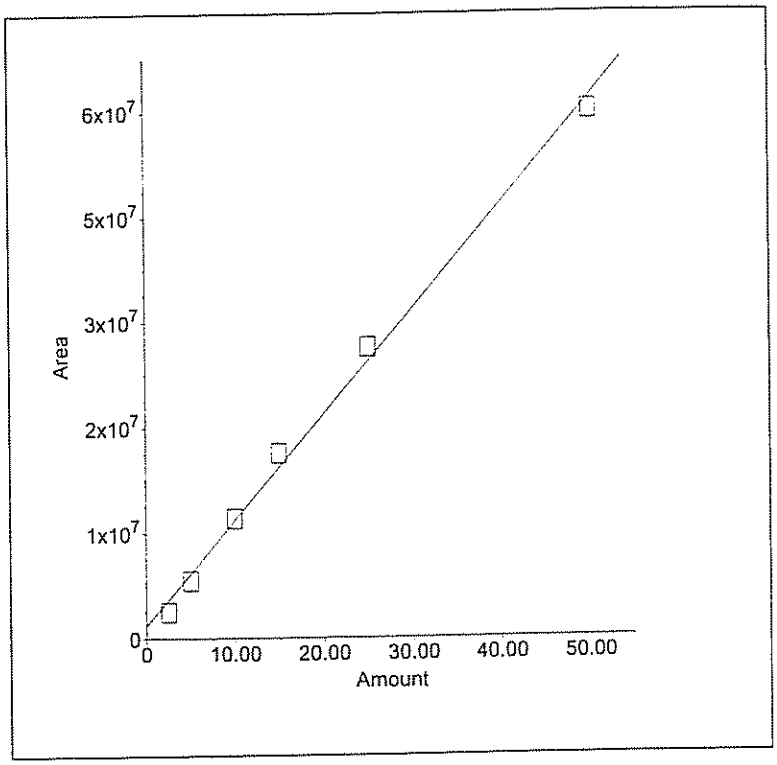
CD20 Component = Sulfate Levels Table

Retention Time : 20.93 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

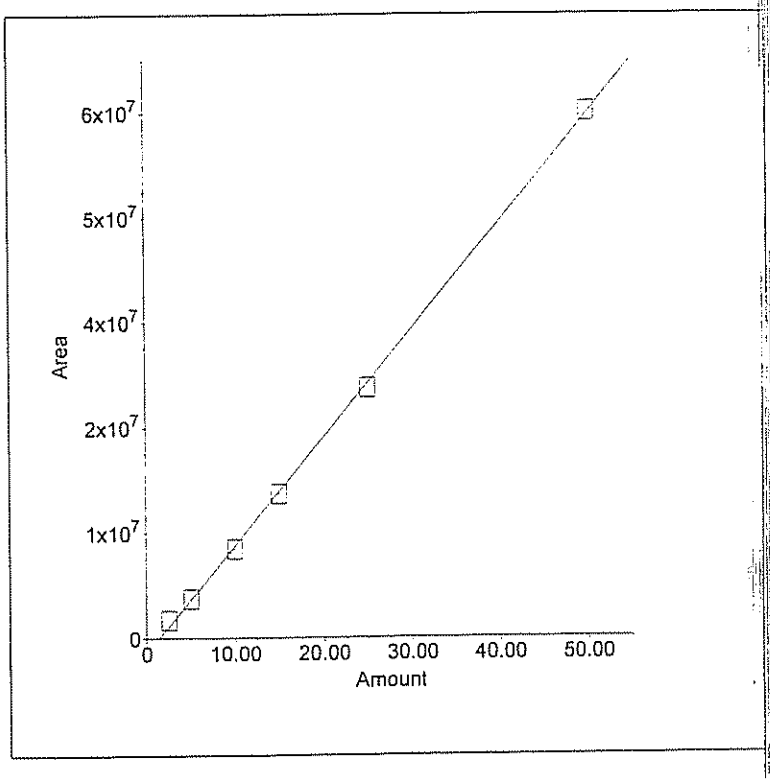
Level	Amount	Replicate 1
1	2.50	1.60388e+006
2	5.00	3.39532e+006
3	10.00	7.21621e+006
4	15.00	1.16693e+007
5	25.00	2.0338e+007
6	50.00	4.46359e+007

CD20 XY Data Parameters

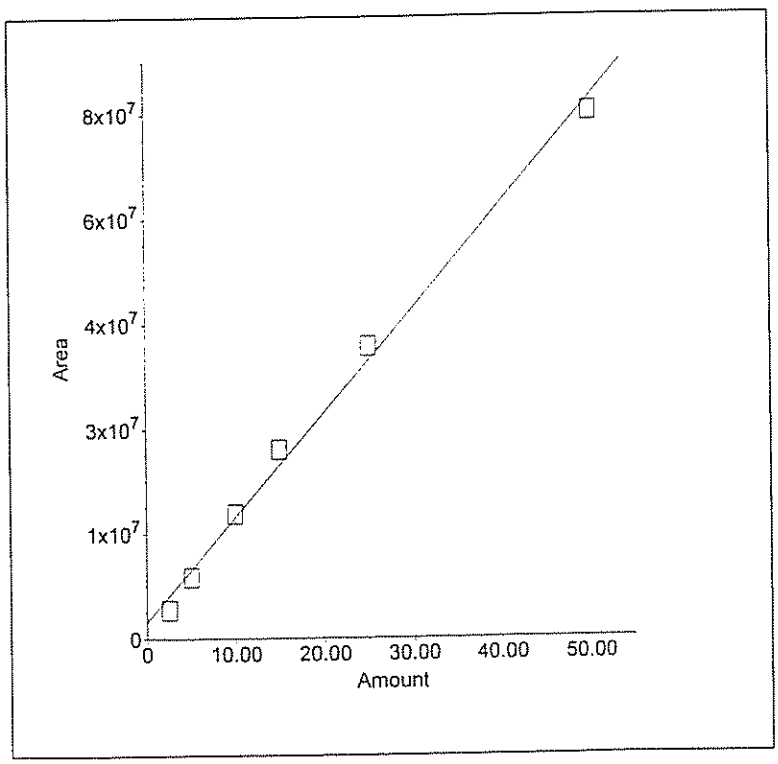
1. Component:Fluoride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.995509
Amt=7.854e-007*Resp+-1.162



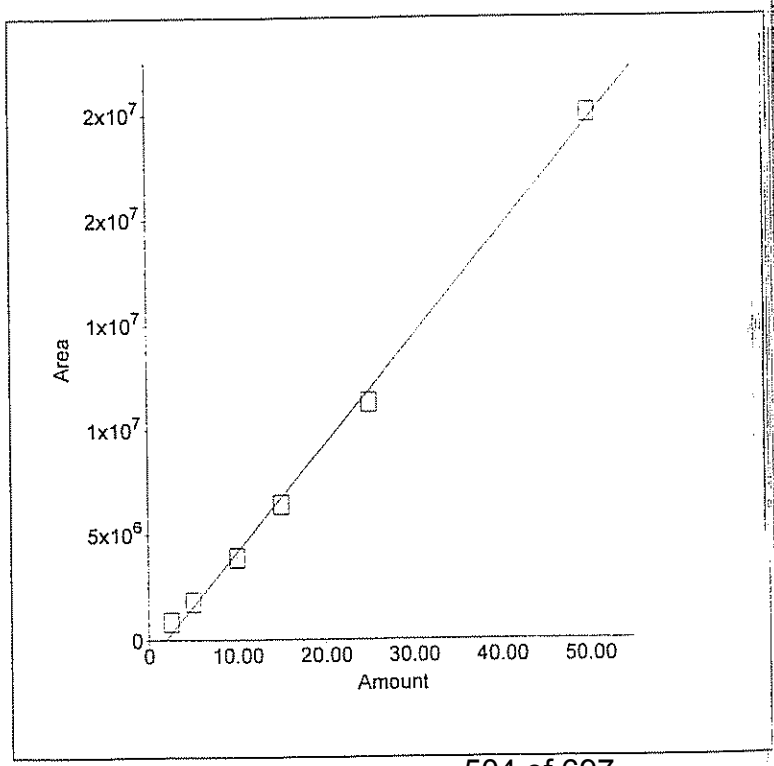
2. Component:Chloride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999518
Amt=7.107e-007*Resp+1.433



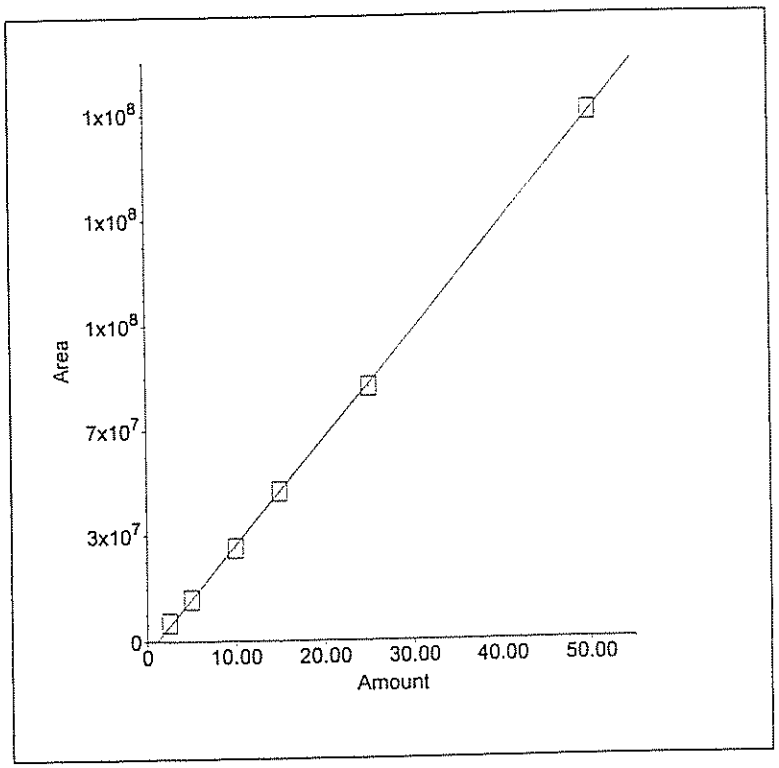
3. Component:Nitrite-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.994488
Amt=6.244e-007*Resp+-1.551



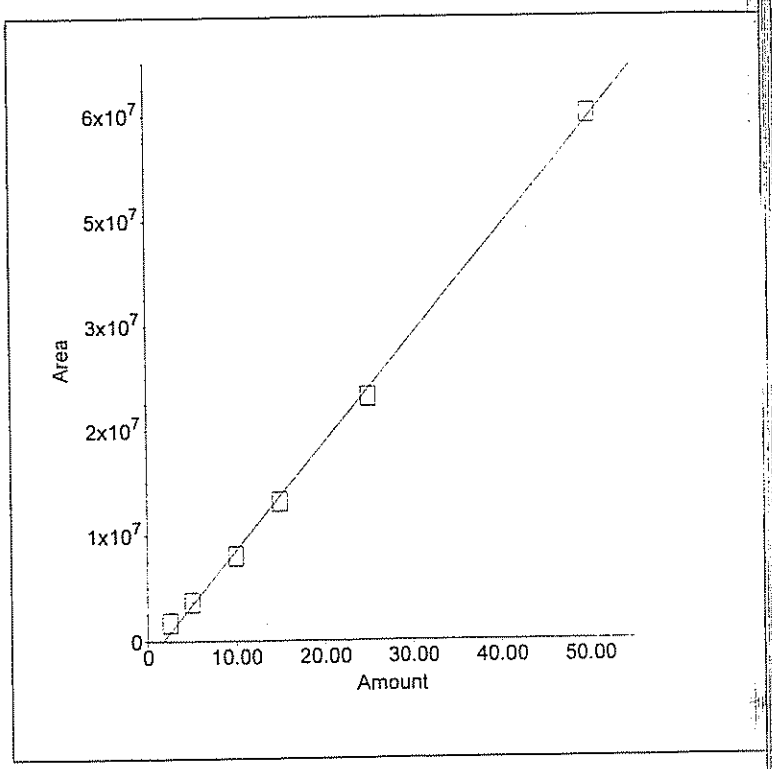
4. Component:Bromide
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.997646
Amt=1.762e-006*Resp+1.949



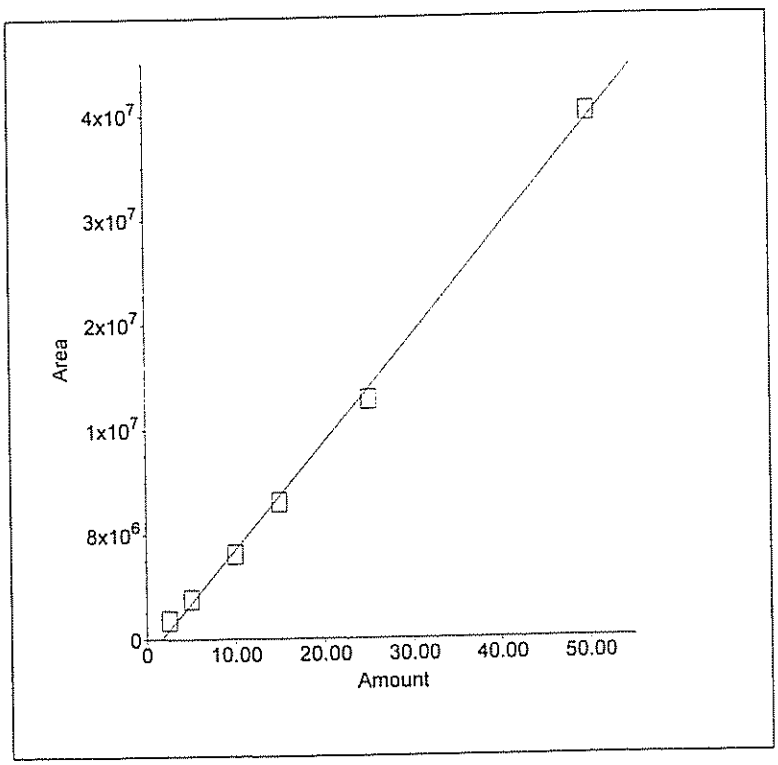
5. Component:Nitrate-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999804
Amt=2.748e-007*Resp+1.164



6. Component:Phosphate-P
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998666
Amt=7.747e-007*Resp+1.715



7. Component:Sulfate
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998128
Amt=1.096e-006*Resp+1.686



Calibration Update Report

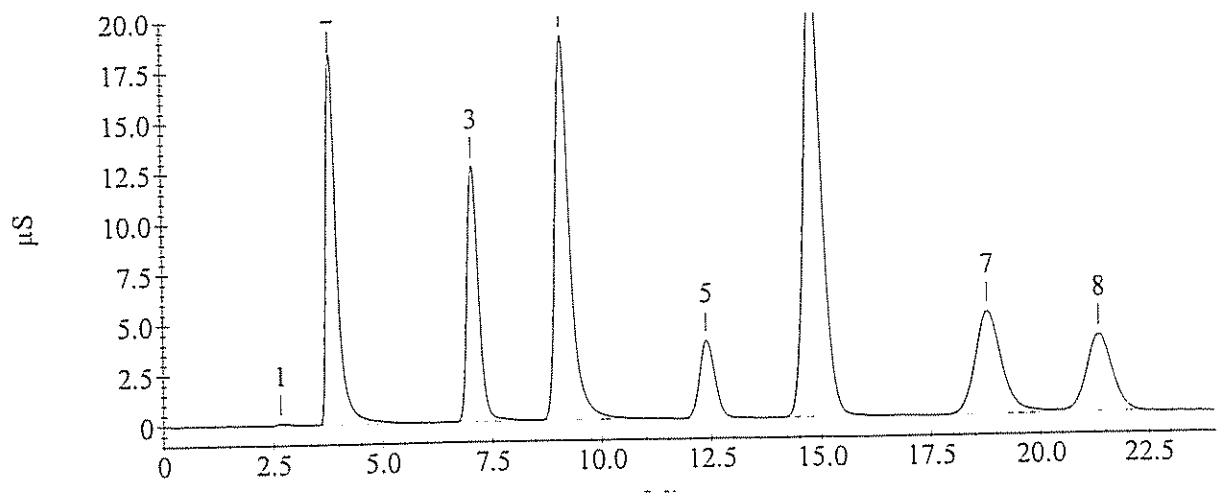
Sample Name : STD 1 - 2.50 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__009.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 4:08:59 PM
Calibration Date : 4/14/09 8:20:13 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	3285072	3205667	3205667
3	Chloride	7.07	2340913	2315125	2315125
4	Nitrite-N	9.13	4613604	4325970	4325970
5	Bromide	12.40	945000	934531	934531
6	Nitrate-N	14.83	6141691	6173164	6173164
7	Phosphate-P	18.80	1366019	2167005	2167005
8	Sulfate	21.37	1863633	1603882	1603882

STD 1 - 2.50 mg/L



Calibration Update Report

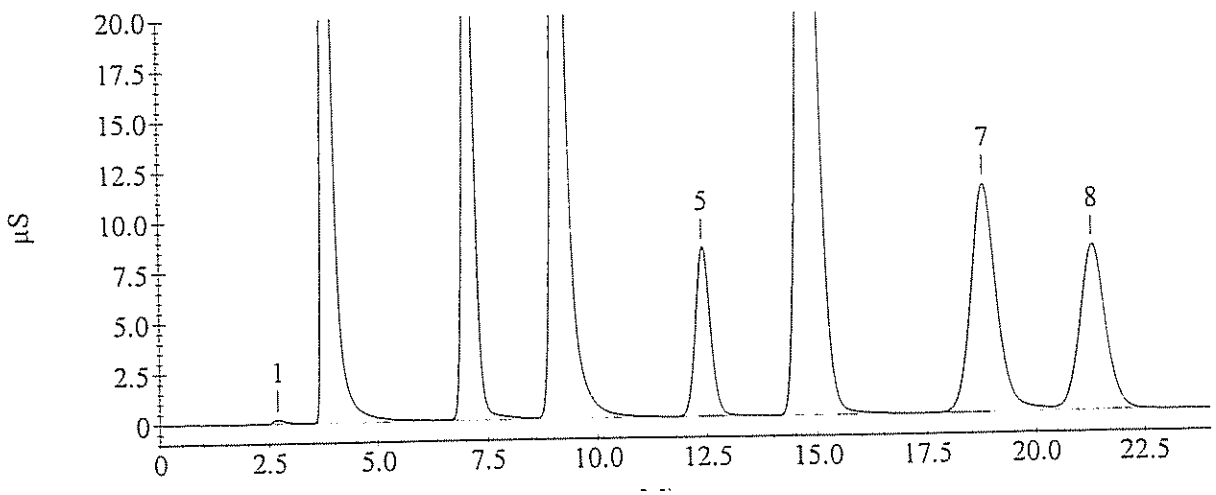
Sample Name : STD 2 - 5.00 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__010.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 4:35:15 PM
Calibration Date : 4/14/09 8:20:45 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	6687653	7011648	7011648
3	Chloride	7.07	4744908	5129739	5129739
4	Nitrite-N	9.13	9326874	9364073	9364073
5	Bromide	12.40	1941879	1986008	1986008
6	Nitrate-N	14.77	13478598	14016374	14016374
7	Phosphate-P	18.80	3005917	4606081	4606081
8	Sulfate	21.30	3101926	3395316	3395316

STD 2 - 5.00 mg/L



Calibration Update Report

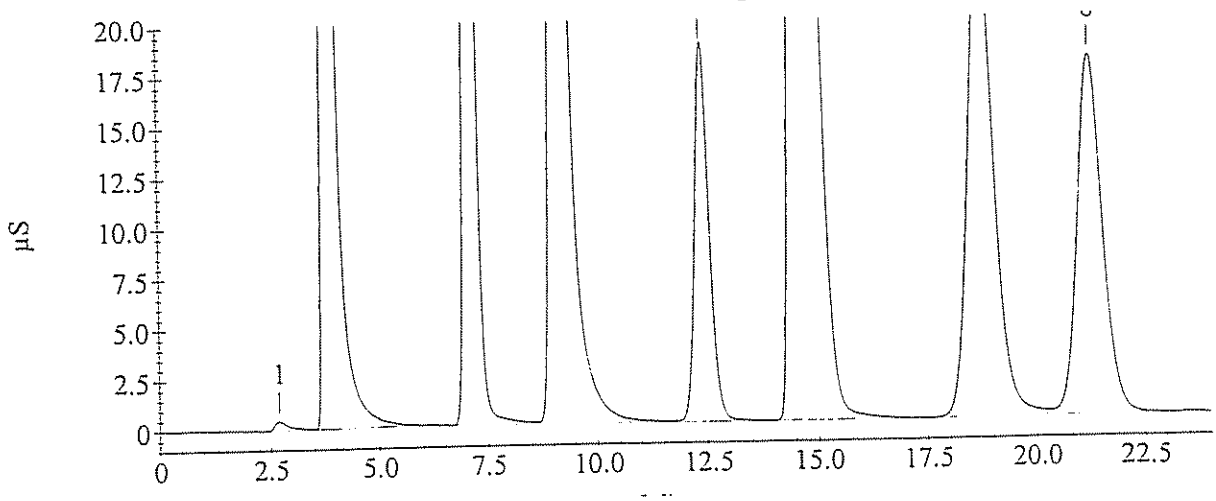
Sample Name : STD 3 - 10.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__011.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 5:01:34 PM
Calibration Date : 4/14/09 8:21:16 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.87	14549953	14448716	14448716
3	Chloride	7.13	10917702	11617995	11617995
4	Nitrite-N	9.17	18846586	19068545	19068545
5	Bromide	12.40	4224476	4290252	4290252
6	Nitrate-N	14.63	29765135	31115716	31115716
7	Phosphate-P	18.77	7238114	10063941	10063941
8	Sulfate	21.27	6779202	7216215	7216215

STD 3 - 10.0 mg/L



Calibration Update Report

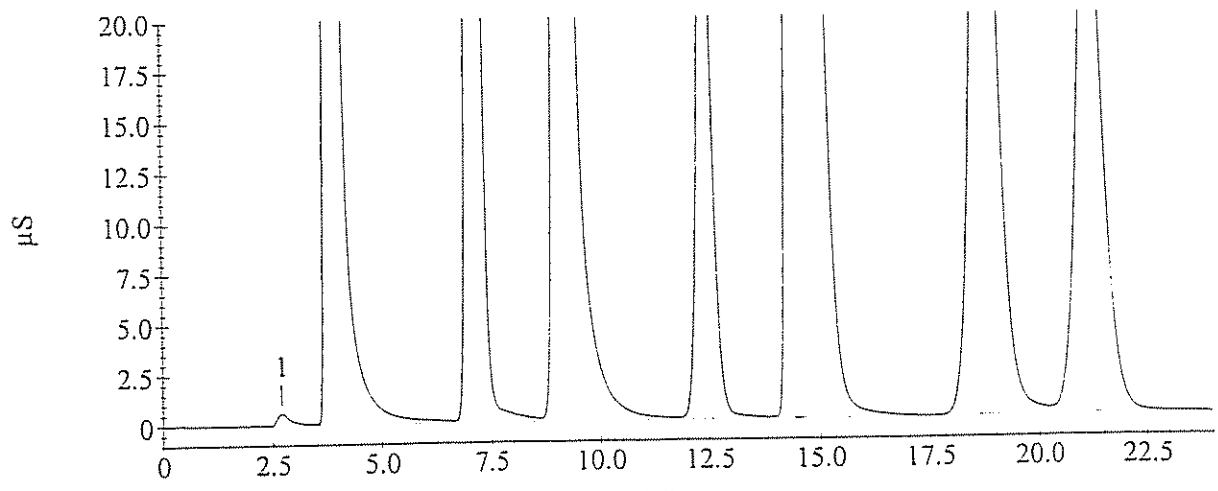
Sample Name : STD 4 - 15.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__012.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 5:27:48 PM
Calibration Date : 4/14/09 8:21:42 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.87	21370091	22353389	22353389
3	Chloride	7.17	18190071	18811305	18811305
4	Nitrite-N	9.17	28434383	28964592	28964592
5	Bromide	12.43	6967382	7066137	7066137
6	Nitrate-N	14.57	46826178	50380358	50380358
7	Phosphate-P	18.77	12354609	16577849	16577849
8	Sulfate	21.20	10793955	11669293	11669293

STD 4 - 15.0 mg/L



Calibration Update Report

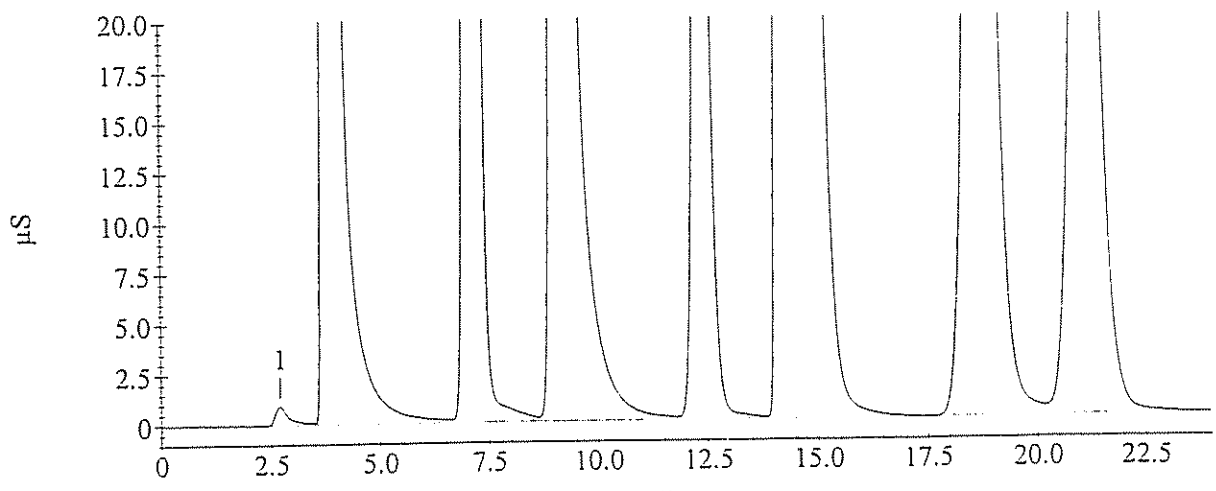
Sample Name : STD 5 - 25.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__013.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 5:54:02 PM
Calibration Date : 4/14/09 8:22:12 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.87	35795108	35071446	35071446
3	Chloride	7.17	30230161	32549027	32549027
4	Nitrite-N	9.20	43008339	44840701	44840701
5	Bromide	12.37	12092529	12459309	12459309
6	Nitrate-N	14.37	79555670	85776098	85776098
7	Phosphate-P	18.70	22437677	29113005	29113005
8	Sulfate	21.10	19585760	20338029	20338029

STD 5 - 25.0 mg/L



Calibration Update Report

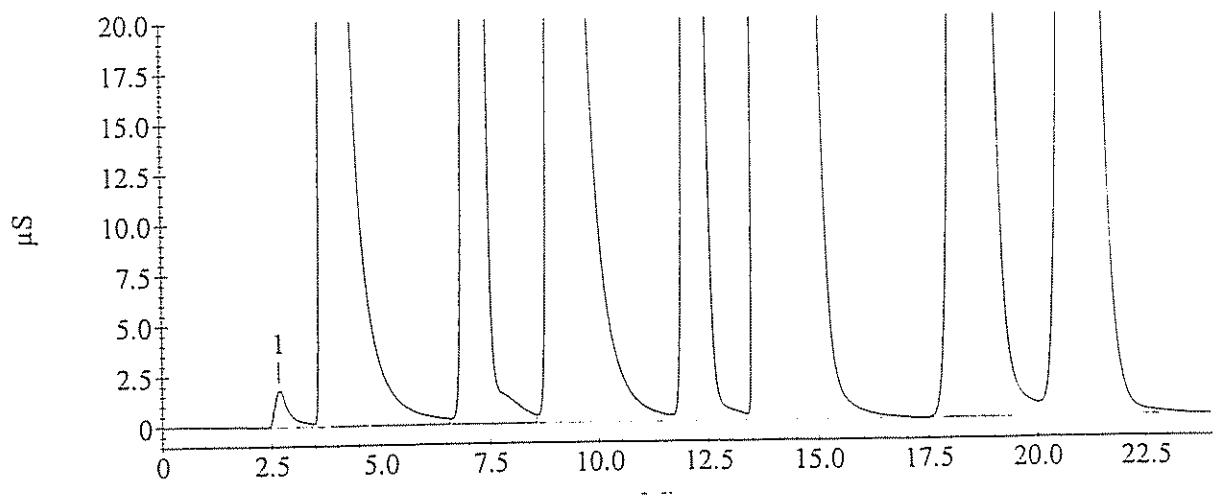
Sample Name : STD 6 - 50.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__014.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 6:20:18 PM
Calibration Date : 4/14/09 8:22:44 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.90	63252719	63659939	63659939
3	Chloride	7.20	64997521	68745329	68745329
4	Nitrite-N	9.20	77822760	80486032	80486032
5	Bromide	12.17	27128528	27652210	27652210
6	Nitrate-N	13.87	168531288	178275998	178275998
7	Phosphate-P	18.47	58470285	62942396	62942396
8	Sulfate	20.93	62302366	44635874	44635874

STD 6 - 50.0 mg/L



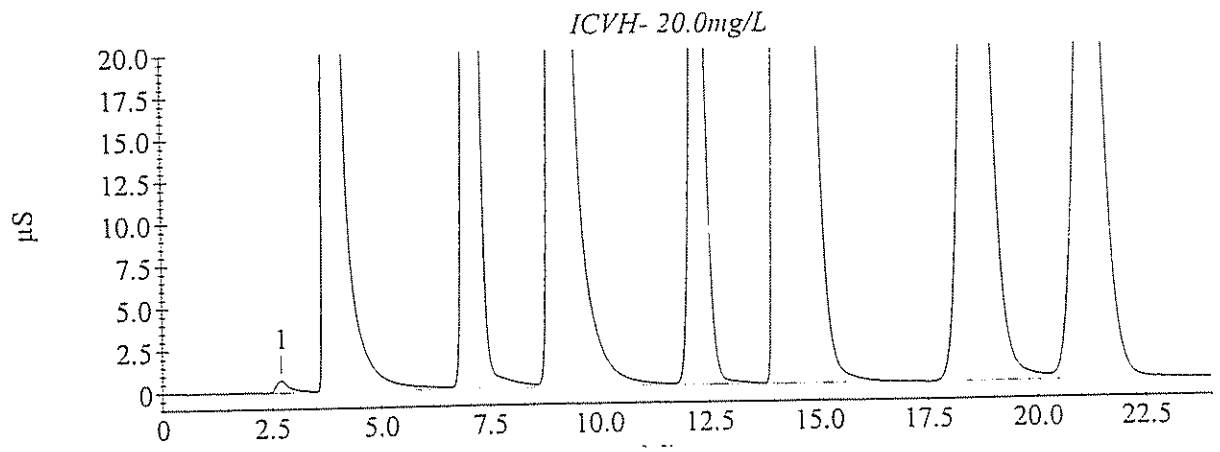
Sample Analysis Report

Sample Name : ICVH- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__016.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 4/13/09 7:12:47 PM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.87	20.581	27684136	1404166
3	Chloride	7.13	19.187	24982163	1483740
4	Nitrite-N	9.13	20.945	36024970	1467037
5	Bromide	12.27	18.626	9467222	435305
6	Nitrate-N	14.30	19.500	66718301	1916409
7	Phosphate-P	18.60	18.694	21914848	570125
8	Sulfate	21.20	19.645	16387150	408124



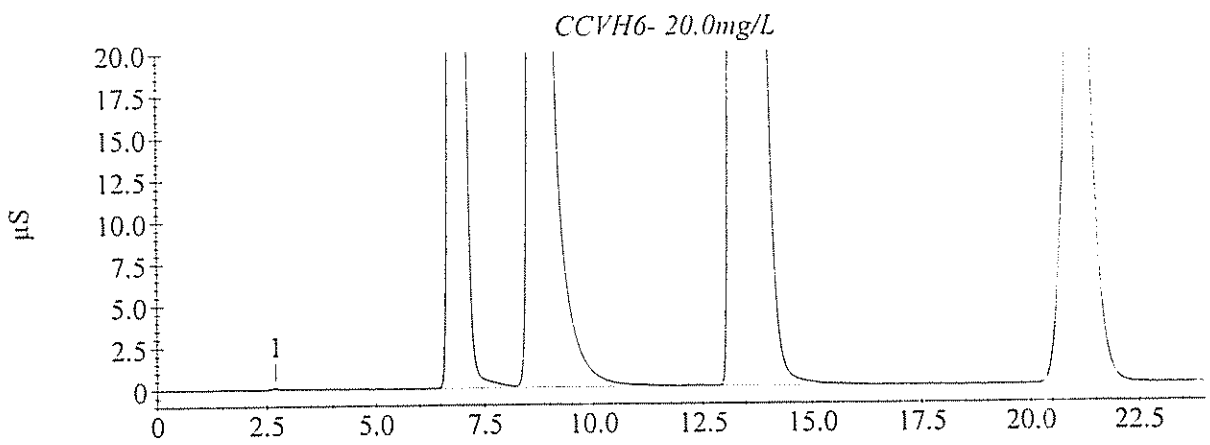
Sample Analysis Report

Sample Name : CCVH6- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__077.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/8/09 8:20:24 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.70	0.000	12591	960
2	Chloride	6.87	19.520	25451466	1393247
3	Nitrite-N Bromide	8.77	21.691	37218649	1534426
4	Nitrate-N Phosphate-P	13.37	19.042	65049195	2086136
5	Sulfate	21.07	18.344	15199985	403421



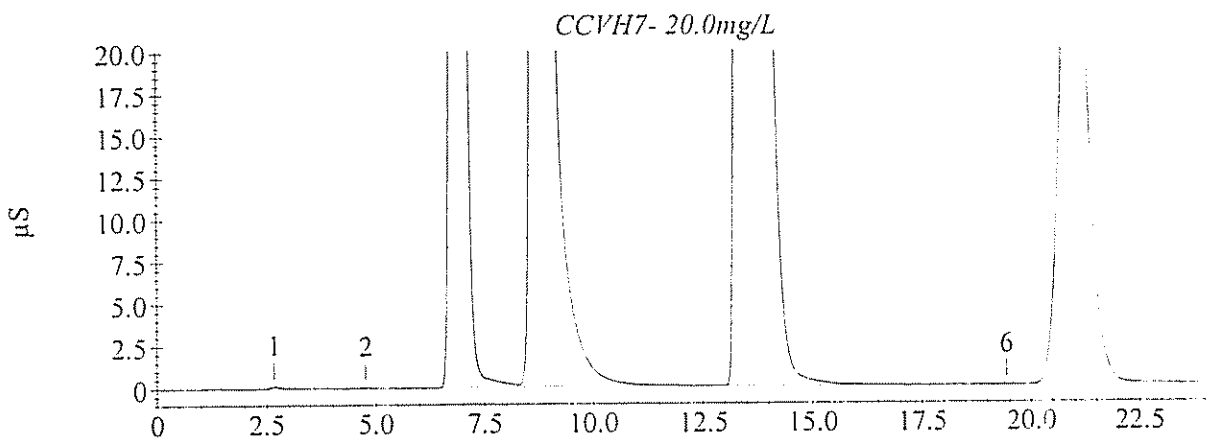
Sample Analysis Report

Sample Name : CCVH7- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__089.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/9/09 1:40:10 AM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.67	0.000	25297	1284
3	Chloride	6.90	19.753	25778035	1389438
4	Nitrite-N	8.83	21.770	37345675	1550037
	Bromide				
5	Nitrate-N	13.50	19.269	65878651	2075656
	Phosphate-P				
7	Sulfate	20.97	18.614	15446162	407409



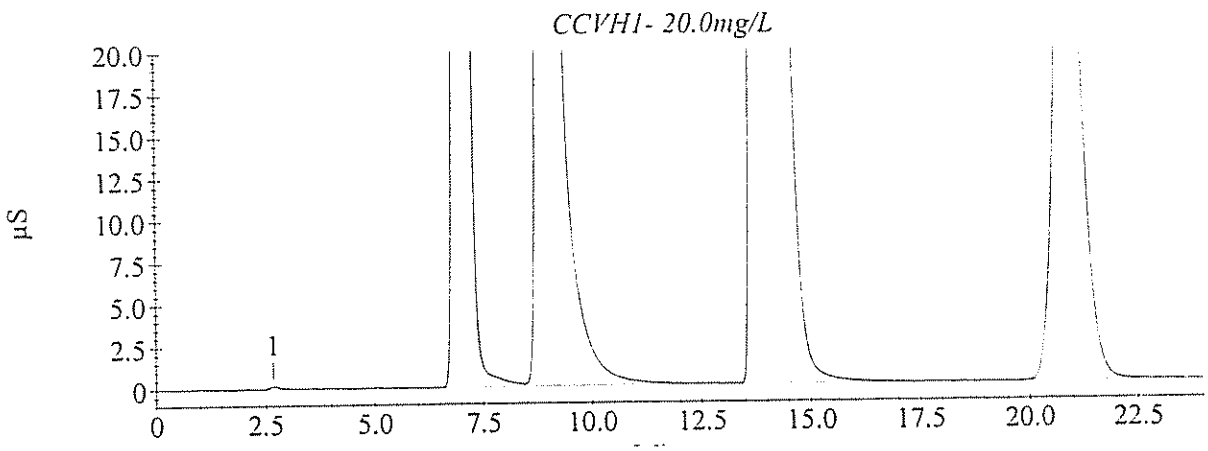
Sample Analysis Report

Sample Name : CCVH1- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090511\090511___017.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/11/09 7:10:40 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.67	0.000	28809	1614
2	Chloride	7.07	20.658	27052226	1443264
3	Nitrite-N	9.00	22.613	38696500	1566046
	Bromide				
4	Nitrate-N	13.90	20.123	68984825	2055353
	Phosphate-P				
5	Sulfate	20.90	19.379	16144251	423626



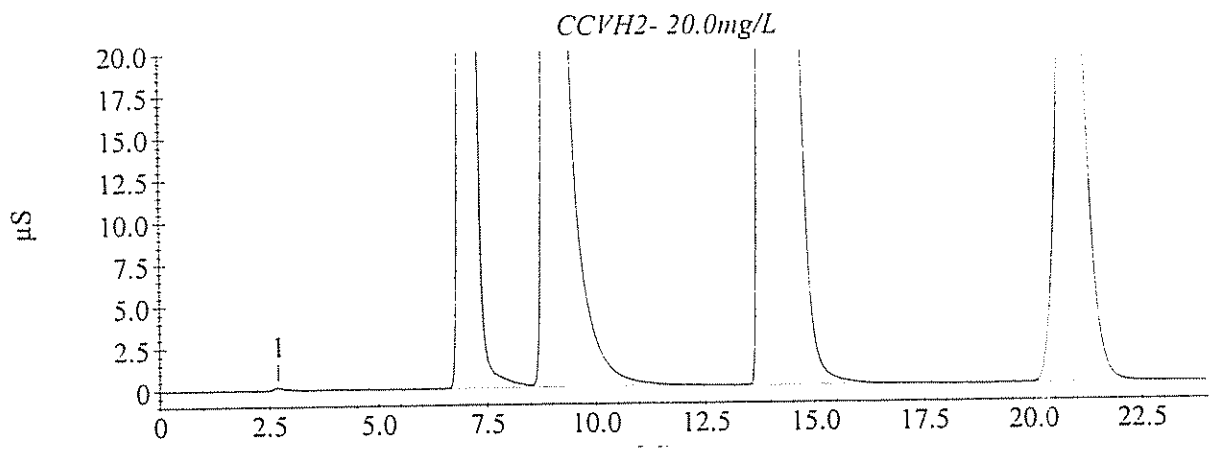
Sample Analysis Report

Sample Name : CCVH2- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090511\090511___026.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/11/09 11:10:25 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.70	0.000	39491	1766
2	Chloride	7.10	20.813	27269813	1570599
3	Nitrite-N Bromide	9.03	22.600	38675552	1531290
4	Nitrate-N Phosphate-P	14.00	20.248	69440128	2036796
5	Sulfate	20.87	19.493	16247883	425705



D. Raw QC Data

1. Extraction Logsheet (where applicable)
2. Injection Logsheet (where applicable)

GPL Laboratories, LLLP

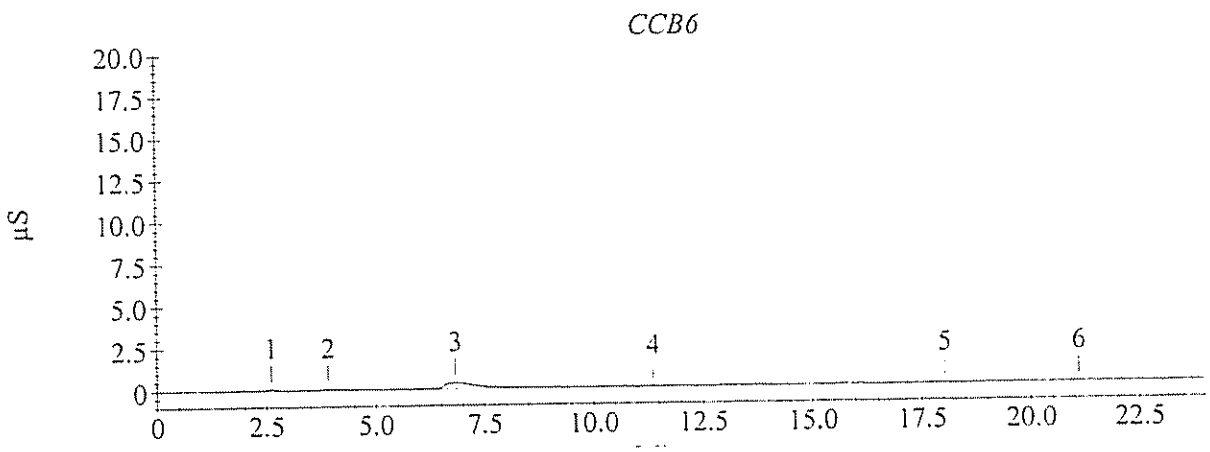
Sample Analysis Report

Sample Name : CCB6
Data File Name : I:\ICDATA\IC500\090507\090507__075.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/8/09 7:27:09 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.90	0.032	9604	439
3	Chloride	6.83	0.143	191618	3490
	Nitrite-N				
	Bromide				
	Nitrate-N				
5	Phosphate-P	18.03	0.027	3586	186
6	Sulfate	21.10	0.035	5444	237



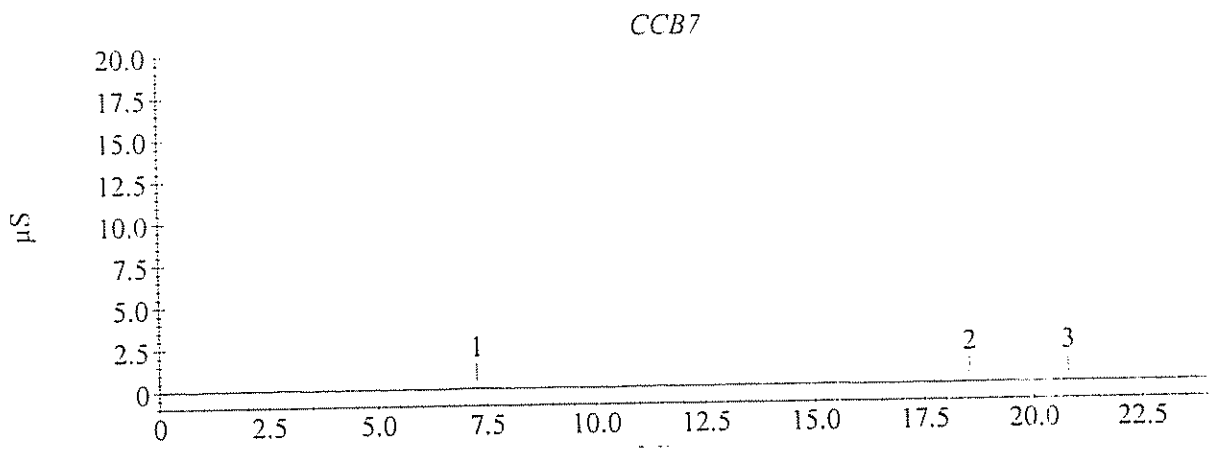
Sample Analysis Report

Sample Name : CCB7
Data File Name : I:\ICDATA\IC500\090507\090507__090.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/9/09 2:06:48 AM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1	Chloride	7.27	-0.057	12229	372
1	Chloride	7.27	-0.057	12229	372
	Nitrite-N				
	Bromide				
	Nitrate-N				
2	Phosphate-P	18.53	0.028	4000	192
3	Sulfate	20.80	0.049	14796	246



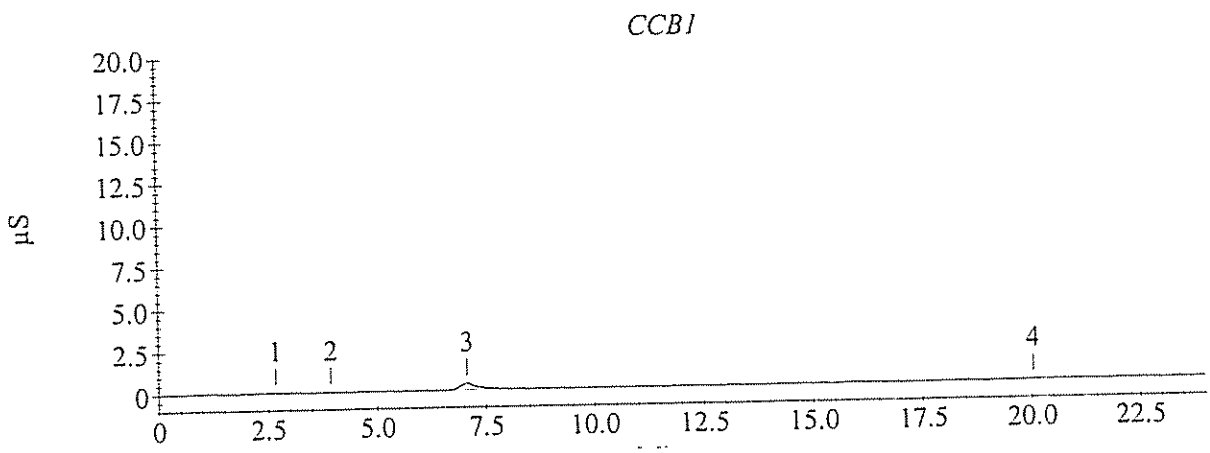
Sample Analysis Report

Sample Name : CCB1
Data File Name : I:\ICDATA\IC500\090511\090511___015.DXD

Method File Name : h:\icdata\methods\method 300\090413I-300-0.met
Date Time Collected : 5/11/09 6:17:29 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.93	0.031	7550	306
3	Chloride	7.07	0.052	109893	3903
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
	Sulfate				



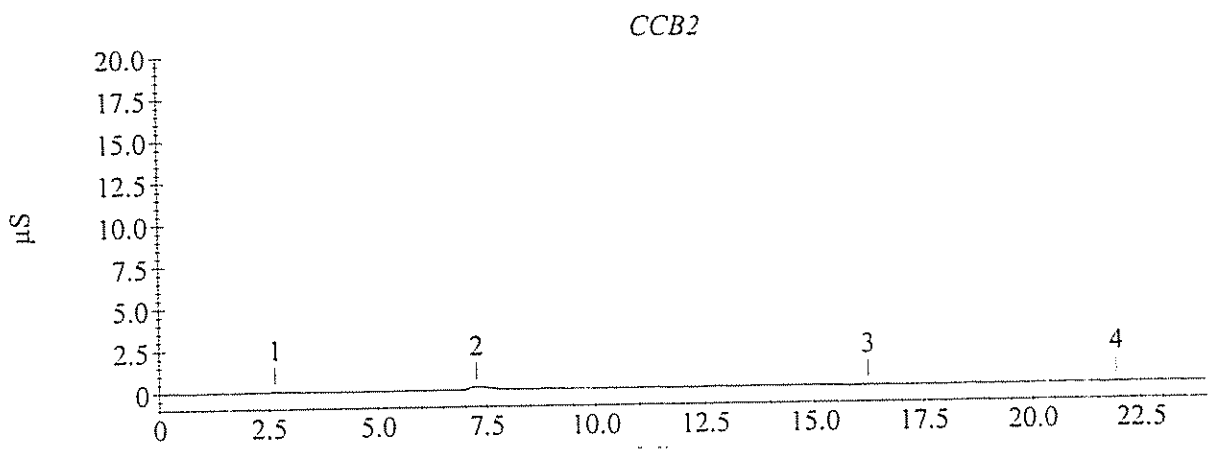
Sample Analysis Report

Sample Name : CCB2
Data File Name : I:\ICDATA\IC500\090511\090511___027.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/11/09 11:37:02 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.63	0.000	12013	467
2	Chloride	7.27	-0.006	58698	1644
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
4	Sulfate	21.93	0.033	4242	263



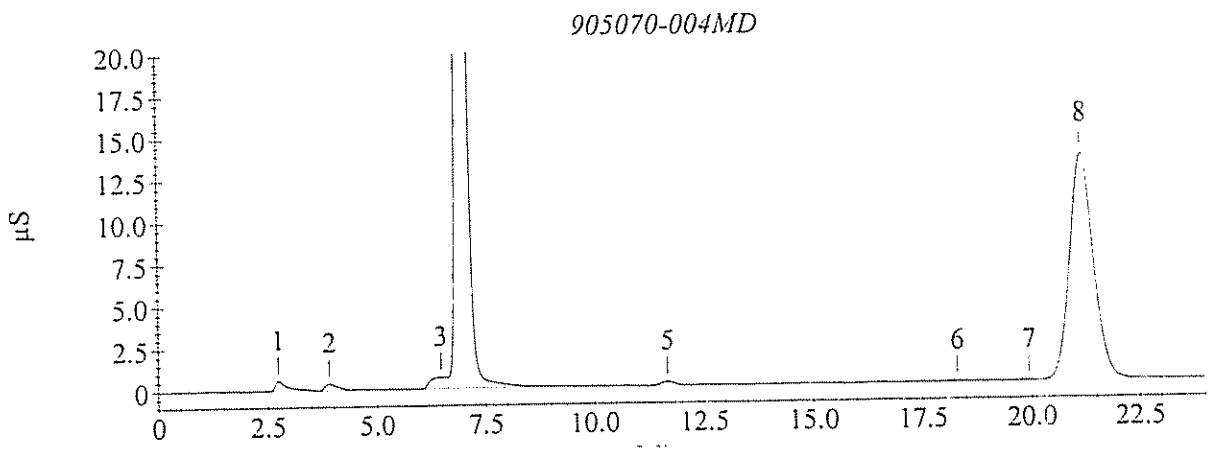
Sample Analysis Report

Sample Name : 905070-004MD
Data File Name : I:\ICDATA\IC500\090507\090507__083.DXD

Method File Name : H:\ICDATA\METHODS\METHOD 300\090413H-300-0.met
Date Time Collected : 5/8/09 11:00:19 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.90	-1.095	85230	4049
4	Chloride	6.97	10.171	12295921	875574
	Nitrite-N				
	Bromide				
	Nitrate-N				
6	Phosphate-P	18.30	1.723	9613	362
8	Sulfate	21.17	7.265	5090868	134029



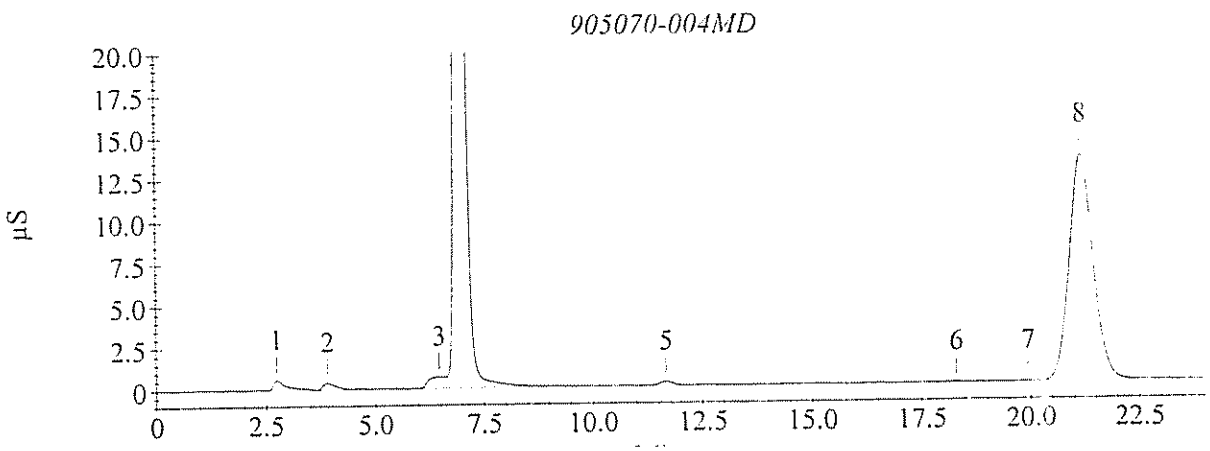
Sample Analysis Report

Sample Name : 905070-004MD
Data File Name : I:\ICDATA\IC500\090507\090507__083.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/8/09 11:00:19 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.90	0.091	85230	4049
4	Chloride	6.97	13.648	12295921	875574
	Nitrite-N				
5	Bromide	11.67	0.166	53021	2383
	Nitrate-N				
6	Phosphate-P	18.30	0.034	9613	362
8	Sulfate	21.17	7.750	5090868	134029



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1MS
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	1.0	
7727-37-9	Nitrite	1.1	

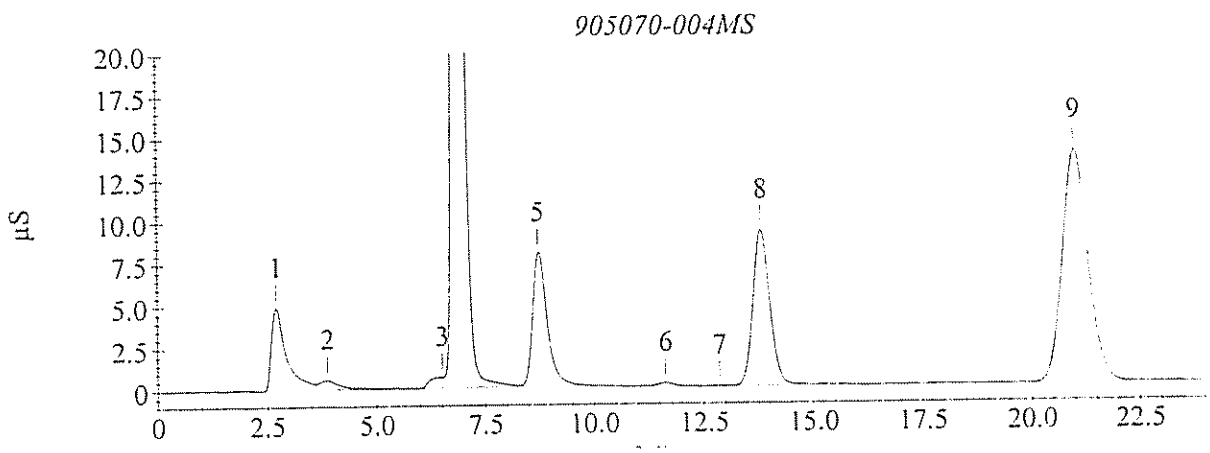
Sample Analysis Report

Sample Name : 905070-004MS
Data File Name : I:\ICDATA\IC500\090507\090507__084.DXD

Method File Name : h:\icdata\methods\method 300\090413I-300-0.met
Date Time Collected : 5/8/09 11:26:56 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.87	0.143	151185	4210
4	Chloride	6.90	14.333	12909973	774023
5	Nitrite-N	8.73	1.089	1820620	78823
7	Bromide	12.87	0.037	4202	269
8	Nitrate-N	13.83	1.045	2467185	92124
	Phosphate-P				
9	Sulfate	21.00	8.624	5667247	137319



GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1MS
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	20	

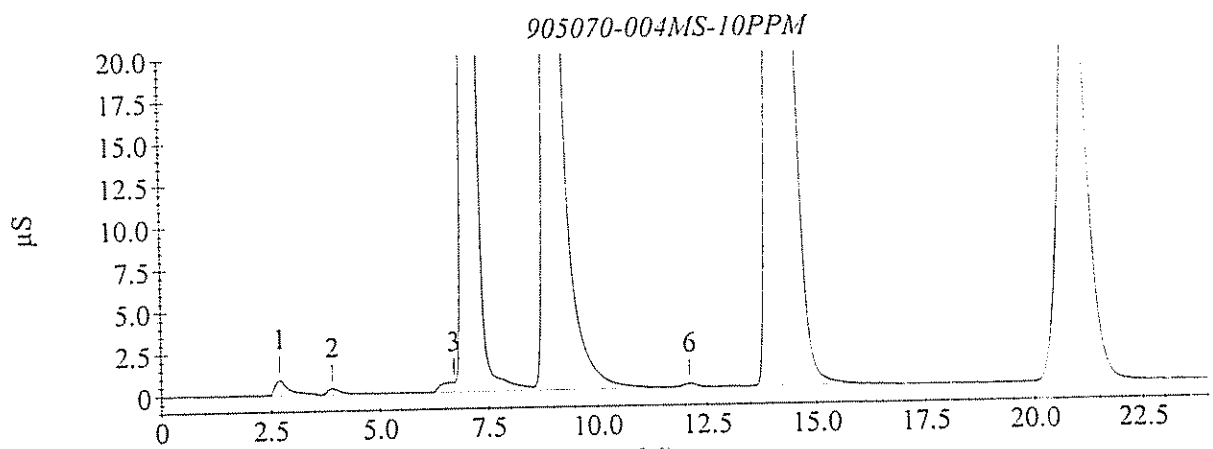
Sample Analysis Report

Sample Name : 905070-004MS-10PPM
Data File Name : I:\ICDATA\IC500\090511\090511___020.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/11/09 8:30:35 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.90	-1.107	69590	3563
4	Chloride	7.10	19.733	25750489	1686128
5	Nitrite-N	9.00	10.571	19411775	858993
6	Bromide	12.10	2.037	50287	2161
7	Nitrate-N	14.13	9.620	30765902	1069776
	Phosphate-P				
8	Sulfate	20.90	15.830	12905756	339569



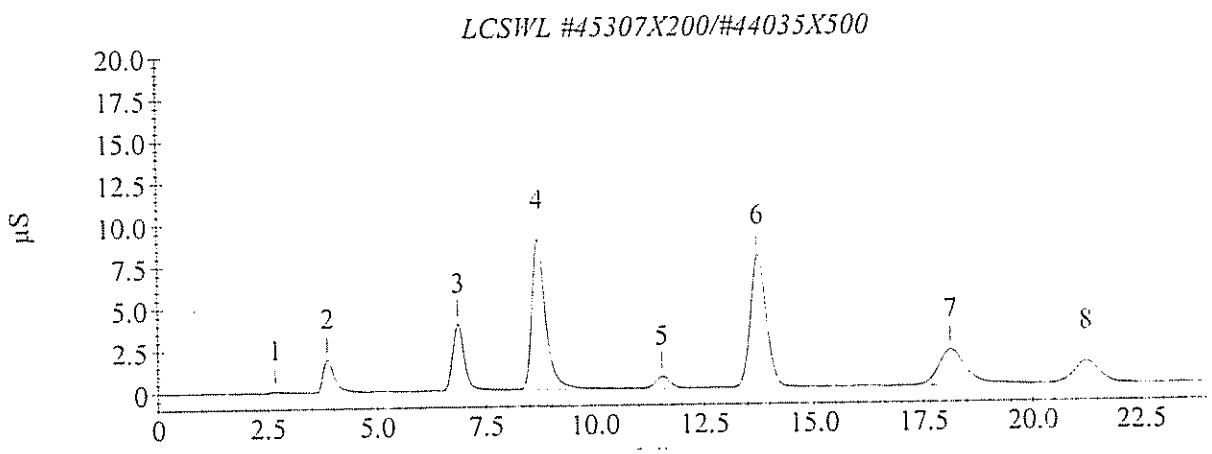
Sample Analysis Report

Sample Name : LCSWL #45307X200/#44035X500
Data File Name : I:\ICDATA\IC500\090507\090507__078.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/8/09 8:47:01 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.87	0.300	351192	19129
3	Chloride	6.87	0.746	732357	39337
4	Nitrite-N	8.70	1.182	1981648	88657
5	Bromide	11.53	0.468	167343	7099
6	Nitrate-N	13.73	0.865	2018190	78566
7	Phosphate-P	18.13	1.122	972463	21348
8	Sulfate	21.23	0.868	554554	13286



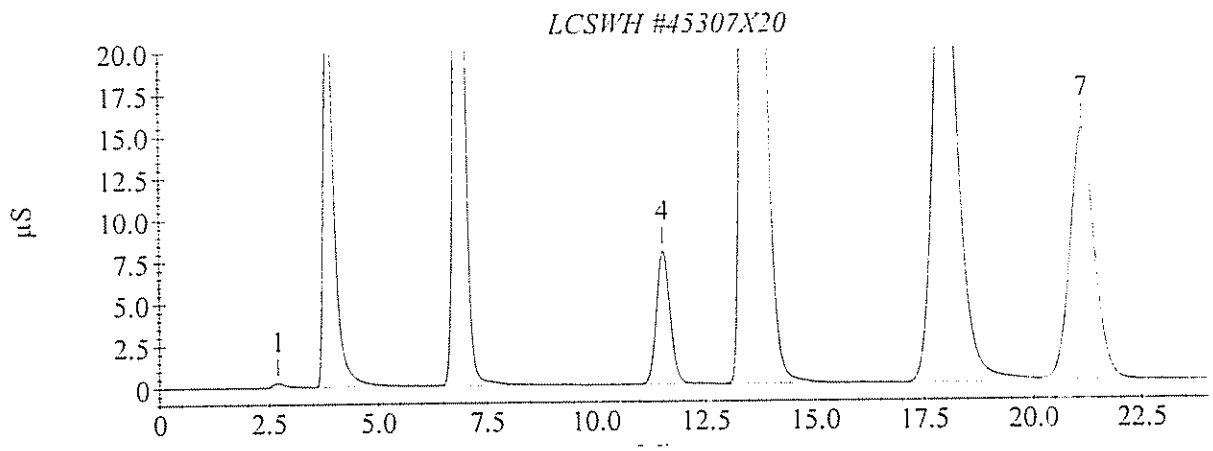
Sample Analysis Report

Sample Name : LCSWH #45307X20
Data File Name : I:\ICDATA\IC500\090507\090507__079.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/8/09 9:13:41 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.87	1.937	3945264	226290
3	Chloride	6.90	7.337	8307031	533423
	Nitrite-N				
4	Bromide	11.53	4.936	1695716	78923
5	Nitrate-N	13.57	8.443	26483356	1012527
6	Phosphate-P	17.97	10.592	11457948	301411
7	Sulfate	21.13	8.099	5852018	149973



ION CHROMATOGRAPHY ANALYSIS LOG

Instrument ID: Dionex 500 Reviewed By:_____ Review Date: _____

Analytes(s):	F, Cl SO_4 NO_2-N, NO_3-N, PO_4-P, Br
Analysis Method:	E360
Backpressure:	23.323 µS Conductivity: 1863 psi
Injection Volume:	200 µL
Gas pressure check:	—
Sparge the eluents:	—
Eluent level check:	✓

Guard Column ID:	AG9-HC #016855
Analysis Column ID:	AS9-HC #015960
ATC ID:	N/A

ICAL Method File: 090413L-300-0.met / 090413H-300-0.met ICAL Date: 4/13/09 Analyst: JSA

Seq. ID. 4/13/09 090413-300.seq

Seq.Ext.ID	GPL ID	Dil	Matrix	Date	Comments
090413-001.dxd	ICV TEST				
2	Rinse				
3	Std 1- BLK	1	Std	4/13/09	Low Curve
4	Std 2 - 0.10 mg/L	1			
5	Std 3 - 0.20 mg/L	1			
6	Std 4 - 0.50 mg/L	1			
7	Std 5 - 1.00 mg/L	1			
8	Std 6 - 2.50 mg/L	1			↓
9	Std 1 - 2.50 mg/L	1			High Curve
10	Std 2 - 5.00 mg/L	1			
11	Std 3 - 10.0 mg/L	1			
12	Std 4 - 15.0 mg/L	1			
13	Std 5 - 25.0 mg/L	1			
14	Std 6 - 50.0 mg/L	1			↓
15	ICVL - 1.25 mg/L	1			
16	ICVH - 20.0 mg/L	1			
17	ICB	1			
18	MDL BLKS	1			
19	MDL1 S	1			
20	MDL2 S	1			
21	MDL3 S	1			
22	MDL4 S	1			
23	MDL5 S	1			
24	MDL6 S	1			
25	MDL7 S	1			
26	MDL CHK S	1		4/15/09	
090413-027.dxd	MDL1 W		↓	4/14/09	

Remarks

Std / Eluent	Lot#	/ Conc.	/ Prep. date
Carbonate Eluent	45599	9mM	4/13/09
Mixed Anion Stdl (Cal/CCV)	45405	100 mg/L	3/18/09
Mixed Anion Stdl (LCS/MS)	45293	100 mg/L	2/27/09

ION CHROMATOGRAPHY ANALYSIS LOG

Instrument ID: Dionex 500 Reviewed By:_____ Review Date: _____

Analytes(s):	F, Cl, NO_3-N, NO_2-N, SO_4
Analysis Method:	E300
Backpressure:	2015 psi Conductivity: 22.88 µS
Injection Volume:	200 µL
Gas pressure check:	✓
Sparge the eluents:	✓
Eluent level check:	✓

Guard Column ID:	
Analysis Column ID:	see p 79
ATC ID:	

ICAL Method File: 090432-300-N.met / 090412211-300-N.met ICAL Date: 4/13/09 Analyst: JCSA

Seq. ID. 090507-300.seq

Seq.Ext.ID	GPL ID	Dil	Matrix	Date	Comments
090507-055.dxd	905068-008	1	H_2O	5/8/09	
56	↓ -010	1	↓	↓	
57	905066-001	1	↓	↓	
58	CCVLS-1.25 mg/L	1	std	↓	
59	CCVHS-20.0 mg/L	1	↓	↓	
60	CCBS	1	↓	↓	
61	CCVL1-1.25 mg/L (Fluoride)	1	↓	↓	
62	CCVH1-20.0 mg/L (Fluoride)	1	↓	↓	
63	LCSWL #45307 x200	200	↓	↓	
64	LCSWH #45307 x10	10	↓	↓	
65	905035-001	1	H_2O	↓	
66	-001MS	1	↓	↓	
67	-001MS	1	↓	↓	
68	-002	1	↓	↓	
69	-003	1	↓	↓	
70	-004	1	↓	↓	
71	-005	1	↓	↓	
72	↓ -006	1	↓	↓	
73	CCVL2-1.25 mg/L (Fluoride)	1	Std	↓	
74	CCVH2-20.0 mg/L (Fluoride)	1	↓	↓	
75	CCB6	1	↓	↓	
76	CCVL6-1.25 mg/L	1	↓	↓	
77	CCVH6-20.0 mg/L	1	↓	↓	
78	LCSWL #45307 x200 / #44035 x500	200/500	↓	↓	
79	LCSWH #45307 x20	20	↓	↓	
80	905070-001	1	H_2O	↓	
090507-057.dxd	↓ -002	1	↓	5/8/09	

Remarks	Std / Eluent	Lot# / Conc. / Prep. date
	See	p. 79

ION CHROMATOGRAPHY ANALYSIS LOG

Instrument ID: Dionex 500 Reviewed By:_____ Review Date: _____

Analytes(s): F, Cl, NO3-N, NO2-N, SO4
Analysis Method: E300
Backpressure: 2015 psi Conductivity: 22.88 µS
Injection Volume: 200 µL
Gas pressure check: ✓
Sparge the eluents: ✓
Eluent level check: ✓

Guard Column ID:
Analysis Column ID: See p. 79
ATC ID:

ICAL Method File: 090413L-300-0.met / 090413H-300-0.met ICAL Date: 4/13/09 Analyst: JCSA
Seq. ID. 090507-300.seq

Seq.Ext.ID	GPL ID	Dil	Matrix	Date	Comments
090507-082.dxd	905070-004	1	H2O	5/8/09	
83	-004 MD	1			
84	-004 MS	1			
85	-005	1		5/8/09	
86	905059-001 10x	10		5/9/09	
87	905060-010 10x	10			
88	CCVL7-1.25 mg/L	1	Std		
89	CCVH7-20.0 mg/L	1			
90	CCB7	1			
91	905060-004	1	H2O		
92	-004 MD	1			
93	-004 MS 10ppm (a)	1			
94	-004 10x	10			
95	-004 MD 10x	10			
96	-004 MS 10x 10ppm (a)	10			
97	905068-003	1			
98	-003 MD	1			
99	-003 MS 10ppm	1			
100	CCVL8-1.25 mg/L	1	Std		
101	CCVH8-20.0 mg/L	1			
090507-102.dxd	CCB8	1		5/9/09	

Remarks	Std / Eluent	Lot# / Conc. / Prep. date
	See p. 79	

GPL Laboratories, LLC **Document Control No: GP_IC_043**

ION CHROMATOGRAPHY ANALYSIS LOG

Instrument ID: Dionex 500 Reviewed By:_____ Review Date: _____

Analytes(s): F, Cl, NO2-N, NO3-N, SO4
Analysis Method: E 300
Backpressure: 1855 PSI Conductivity: 23.85 µS
Injection Volume: 200 µL
Gas pressure check: ✓
Sparge the eluents: —
Eluent level check: ✓

Guard Column ID: ACG-HC # 01685
Analysis Column ID: ACG-HC # 015960
ATC ID: N/A

ICAL Method File: 090413L-300.cmd/090413H-300.cmd ICAL Date: 4/13/09 Analyst: MP
Seq. ID. 091102-300 Sch.

Seq.Ext.ID	GPL ID	Dil	Matrix	Date	Comments
090511-300.001	RINSE			05/11/09	
-002	ICVL - 1.25 mg/L (Fluo)		Std		
-003	ICB				
-004	ICV1 - 1.25 mg/L (Fluo)				
-005	LCS20L #45307 x50	50			
-006	905035-001		water		
-007	-001MD				Rerun
-008	-001MS				
-009	-002				
-010	-003				
-011	-004				
-012	-005				
-013	-006				
-014	CCVL1 - 1.25 mg/L (Fluo)		Std		No ok
-015	CCB1				
-016	CCVL2 1.25 mg/L				
-017	CCVH1 20.0 mg/L				
-018	905070-004		H_2O		
-019	-004MD				
-020	-004MS 10ppm				
-021	905060-003				
-022	-003MD				
-023	-003MS 1.0ppm				
-024	-003MS 10.0ppm				
-025	CCVL3 1.25 mg/L		Std		
-026	CCVH2 20.0 mg/L				
027	CCB2				

Remarks

Std / Eluent	Lot# / Conc. / Prep. date
Carbonate Eluent	45668 9mM 4/22/09
Mixed Anion std	45440 100 mg/L 4/7/09
Mixed Anion QC std	45307 ~~100 mg/L~~ Exp 11/1/11
Nitrite QC std	44035 732 mg/L exp 5/1/10
Chloride std	43057 1000 mg/L Exp 12/1/09
~~Sulfate std~~	43261 1000 mg/L Exp 12/1/09
Fluoride std	45297 1000 mg/L Exp 9/1/10

Supersedes GP-IC-038 Effective 05/07/09

Form 3 MD/MS

E300 CHEMISTRY DUPLICATE/MATRIX SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLC Client: CH2M Hill

GPL Work-Order: 905070

Analyte	Method	Sample ID	Sample Conc. (mg/L)	Duplicate Conc. (mg/L)	RPD	RPD Limit
Chloride	E300.0	OU1-16GW50-0509	9.7	10.2	4.247	15%
Nitrite-N	E300.0	OU1-16GW50-0509	BQL	BQL	N/C	15%
Nitrate-N	E300.0	OU1-16GW50-0509	BQL	BQL	N/C	15%

RPD - 0 out of 3 outside control limits

Analyte	Method	Sample ID	Sample Conc. (mg/L)	MS Conc. (mg/L)	Spike Added (mg/L)	MS % Recov.	MS Recovery Limits
Chloride	E300.0	OU1-16GW50-0509	9.7	19.7	10.0	100	90 - 110%
Nitrite-N	E300.0	OU1-16GW50-0509	0.00	1.09	1.00	109	90 - 110%
Nitrate-N	E300.0	OU1-16GW50-0509	0.000	1.05	1.00	104.5	90 - 110%

Recovery - 0 out of 3 outside control limits

General Chemistry Form VII

E300 LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: GPL Laboratories

Client: CH2M Hill

QC Sample ID: #45307/#44035

FILE:090507_78/79

LCSL (5/7/09)

Analyte	LCS True Value (mg/L)	LCS Concentration (mg/L)	LCS %Recovery	Recovery Control Limits
Chloride	158	149	94.6	85 - 115%
Nitrite-N	732	591	80.7*	85 - 115%
Nitrate-N	187	173	92.4	85 - 115%

Recovery - 1 out of 3 outside Control Limits

LCSH (5/7/09)

Analyte	LCS True Value (mg/L)	LCS Concentration (mg/L)	LCS %Recovery	Recovery Control Limits
Chloride	158	147	93.0	85 - 115%
Nitrate-N	187	169	90.2	85 - 115%

Recovery - 0 out of 2 outside Control Limits

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-013-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-014-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-049-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1MS
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	1.0	
7727-37-9	Nitrite	1.1	

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1MS
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	20	

General Chemistry Form 2

E300.0 CONTINUING CALIBRATION CHECK STANDARD RECOVERY

Lab Name: GPL Laboratories, LLLC

Client: CH2M Hill

Work-Order # 905068

STD Solution ID: 45540

5/7/09

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVL6	Chloride	1.25	1.20	96	90 - 110%
	Nitrite-N	1.25	1.24	99	90 - 110%
	Nitrate-N	1.25	1.17	93.5	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVL7	Chloride	1.25	1.24	99.1	90 - 110%
	Nitrite-N	1.25	1.24	99.4	90 - 110%
	Nitrate-N	1.25	1.18	94.5	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH6	Chloride	20	19.52	98	90 - 110%
	Nitrite-N	20	21.69	108	90 - 110%
	Nitrate-N	20	19.04	95.2	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH7	Chloride	20.0	19.8	98.8	90 - 110%
	Nitrate-N	20.0	19.3	96.3	90 - 110%

5/11/09

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH1	Chloride	20.0	20.7	103.3	90 - 110%
	Nitrate-N	20.0	20.1	100.6	90 - 110%

Standard ID	Analyte	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCVH2	Chloride	20.0	20.8	104	90 - 110%
	Nitrate-N	20.0	20.2	101.2	90 - 110%

Method Information : Select Module(s)

System Name : DX 500
System Number : 1
Method Type : Ion Chromatography
Column :
Analyst :
Comment : (null)

CD20 Timed Events

Module Name : CD20
Module Serial Number :
SRS Current : 100 mA
Temperature Compensation : 1.7 (% / °C)
Cell Temperature : 35 °C

Time	Range (µS)	Offset	Mark	TTL1	TTL2	Relay1	Relay2	Collect
Init	10.000			Low	Low	Open	Open	
0.00	10.000			Low	Low	Open	Open	
2.40	10.000	*		Low	Low	Open	Open	
2.50	10.000			Low	Low	Open	Open	Begin

CD20 Detector Parameters

Detector Type : CD20
Data collection time (minutes) : 24.00
Data Collection Rate : 5.00
Real time plot scale maximum (µS) : 20.000
Real time plot scale minimum (µS) : -1.000

CD20 Integration Parameters

Peak detection algorithm : Standard
Starting peak width (seconds) : 20.00
Peak threshold : 0.50
Peak area reject (area counts) : 1000.00
Reference peak area reject (area counts) : 1000.00

CD20 Smoothing Parameters

Filter Type : No filter

CD20 Report Data

Report Format File : C:\PeakNet\method\DEFAULT.RPT
Print Sample Analysis : No
Print Calibration Update : No
Print Check Standard : No
System Suitability Tests :
No system suitability tests selected.

CD20 Integration Data Events

CD20 Calibration Parameters

External or internal calibration : EXTERNAL
Number of replicates for calibration : 1
Rejection : Manual
Level Weighting : Equal
Calibration standard volume : 1.00
Default sample volume : 1.00
Amount units :
Replace retention time : Yes
Update response : Yes
Default dilution factor : 1.00
Default response factor for unknown peaks : 0.00
Calculate unknowns by area or height : Area

CD20 Component Identification Table

Component	Retention	Tolerance	Reference
Fluoride	3.83 min	1.00 min	
Chloride	7.03 min	1.00 min	
Nitrite-N	9.10 min	1.00 min	
Bromide	12.37 min	1.00 min	
Nitrate-N	14.80 min	1.00 min	
Phosphate-P	18.77 min	1.00 min	
Sulfate	21.37 min	1.00 min	

CD20 Component Quantitation Table

Component	Retention	Low Limit	High Limit
Fluoride	3.83 min	0	0
Chloride	7.03 min	0	0
Nitrite-N	9.10 min	0	0
Bromide	12.37 min	0	0
Nitrate-N	14.80 min	0	0
Phosphate-P	18.77 min	0	0
Sulfate	21.37 min	0	0

CD20 Component Calibration Table

Component	Retention Time	Curve Fit	Origin	Cal. by	Response Component	Relative Factor
Fluoride	3.83 min	Linear	Ignore	Area		0.00
Chloride	7.03 min	Linear	Ignore	Area	Fluoride	0.00
Nitrite-N	9.10 min	Linear	Ignore	Area	Fluoride	0.00
Bromide	12.37 min	Linear	Ignore	Area	Fluoride	0.00
Nitrate-N	14.80 min	Linear	Ignore	Area	Fluoride	0.00
Phosphate-P	18.77 min	Linear	Ignore	Area	Fluoride	0.00
Sulfate	21.37 min	Linear	Ignore	Area	Fluoride	0.00

CD20 Component = Fluoride Levels Table

Retention Time : 3.83 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	21958
2	0.10	113467
3	0.25	281330
4	0.50	555491
5	1.00	1.20752e+006
6	2.50	3.17834e+006

CD20 Component = Chloride Levels Table

Retention Time : 7.03 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	65491.3
2	0.10	166607
3	0.25	272879
4	0.50	490401
5	1.00	987410
6	2.50	2.29777e+006

CD20 Component = Nitrite-N Levels Table

Retention Time : 9.10 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	62855.3
2	0.10	131225
3	0.25	369975
4	0.50	751454
5	1.00	1.64864e+006
6	2.50	4.29168e+006

CD20 Component = Bromide Levels Table

Retention Time : 12.37 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	2913.3
2	0.10	30854
3	0.25	88235.8
4	0.50	178961
5	1.00	360053
6	2.50	938874

CD20 Component = Nitrate-N Levels Table

Retention Time : 14.80 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	5156.9
2	0.10	193959
3	0.25	520051
4	0.50	1.04419e+006
5	1.00	2.24932e+006
6	2.50	6.14664e+006

CD20 Component = Phosphate-P Levels Table

Retention Time : 18.77 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	0.00	8388.6
2	0.10	78077.4
3	0.25	185575
4	0.50	400250
5	1.00	900558
6	2.50	2.1814e+006

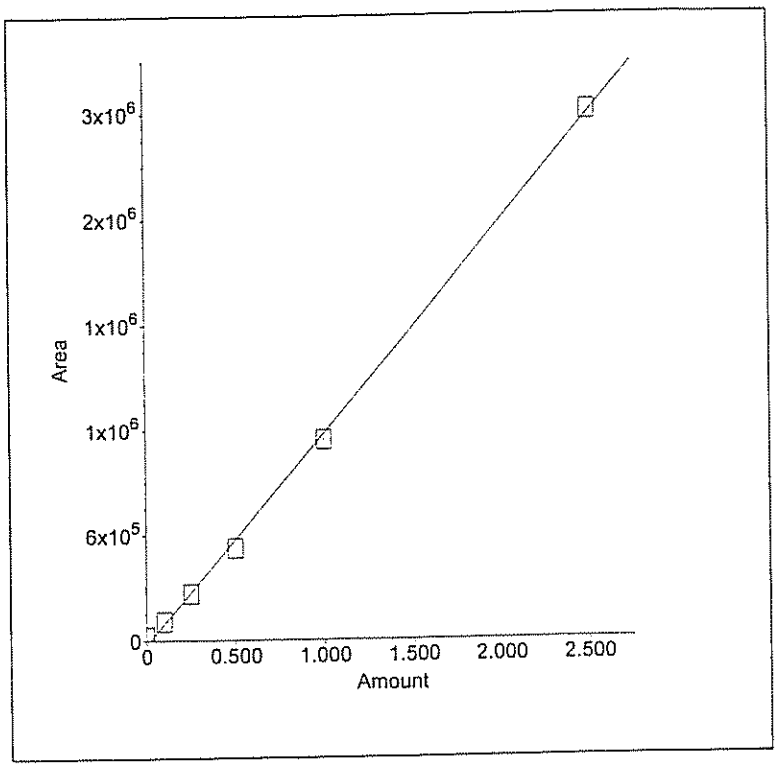
CD20 Component = Sulfate Levels Table

Retention Time : 21.37 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

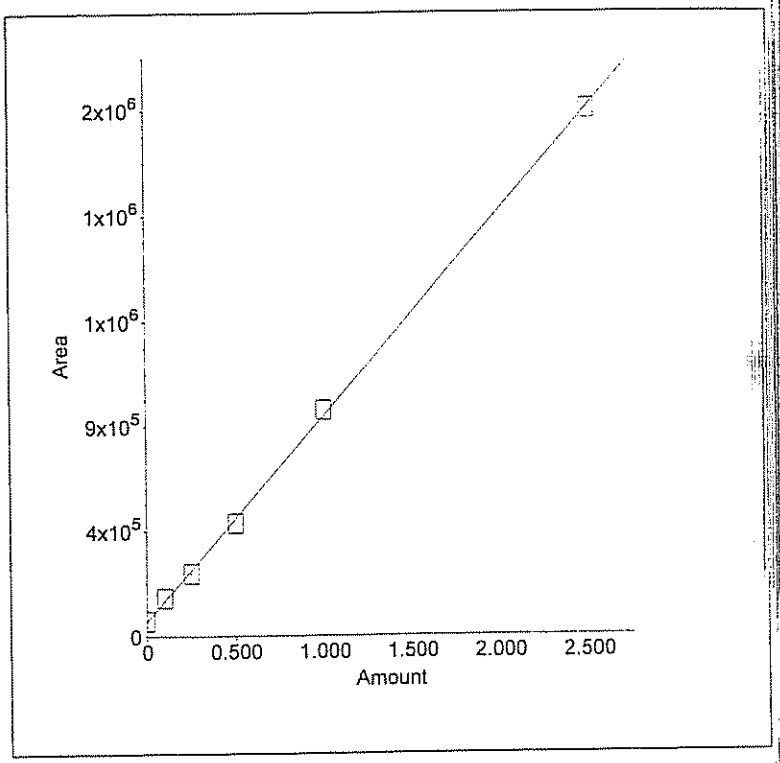
Level	Amount	Replicate 1
1	0.00	6080.9
2	0.10	53583
3	0.25	152585
4	0.50	287349
5	1.00	659592
6	2.50	1.62684e+006

CD20 XY Data Parameters

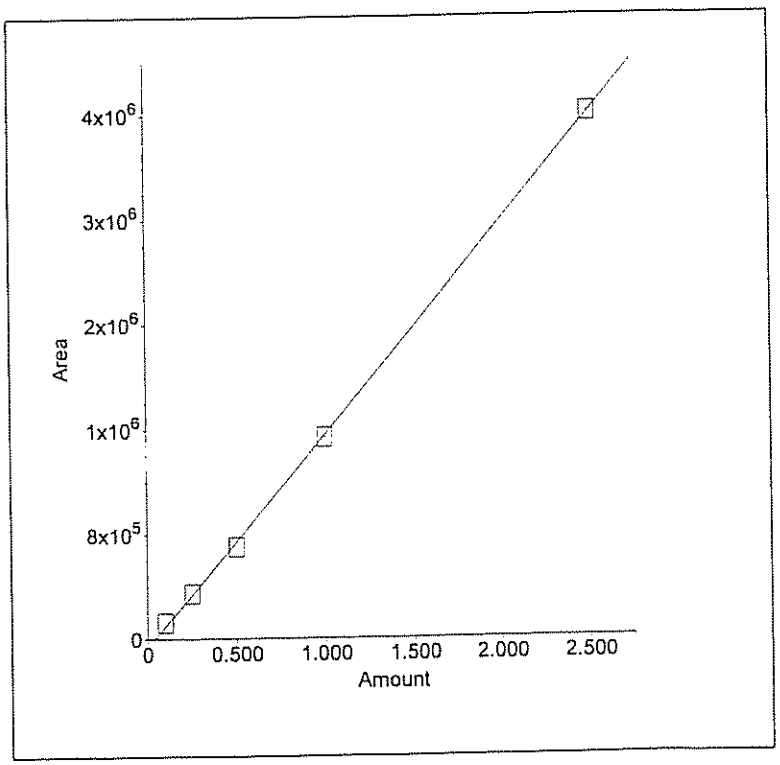
1. Component:Fluoride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998950
Amt=7.843e-007*Resp+0.02462



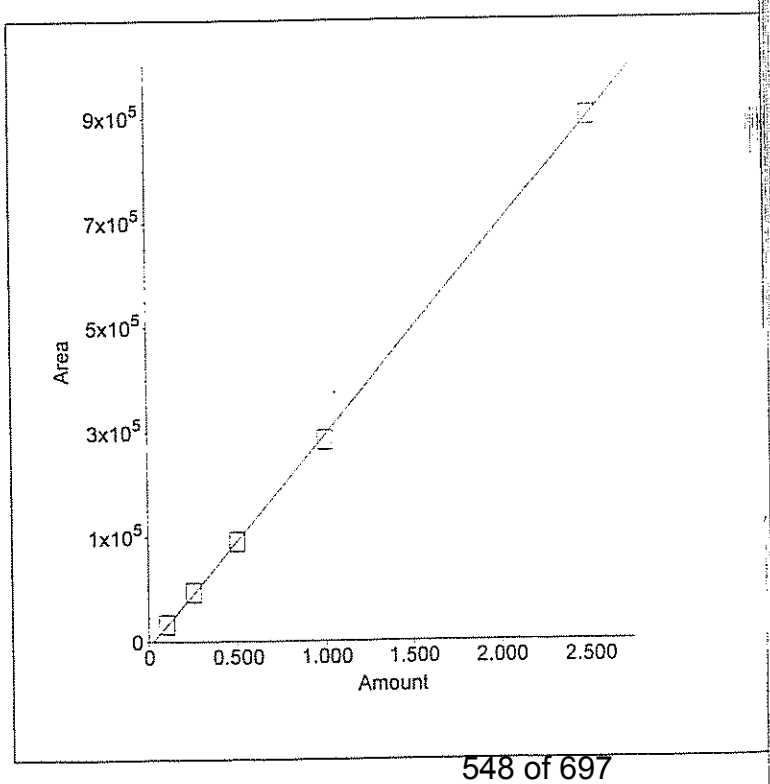
2. Component:Chloride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999533
Amt=1.116e-006*Resp+-0.071



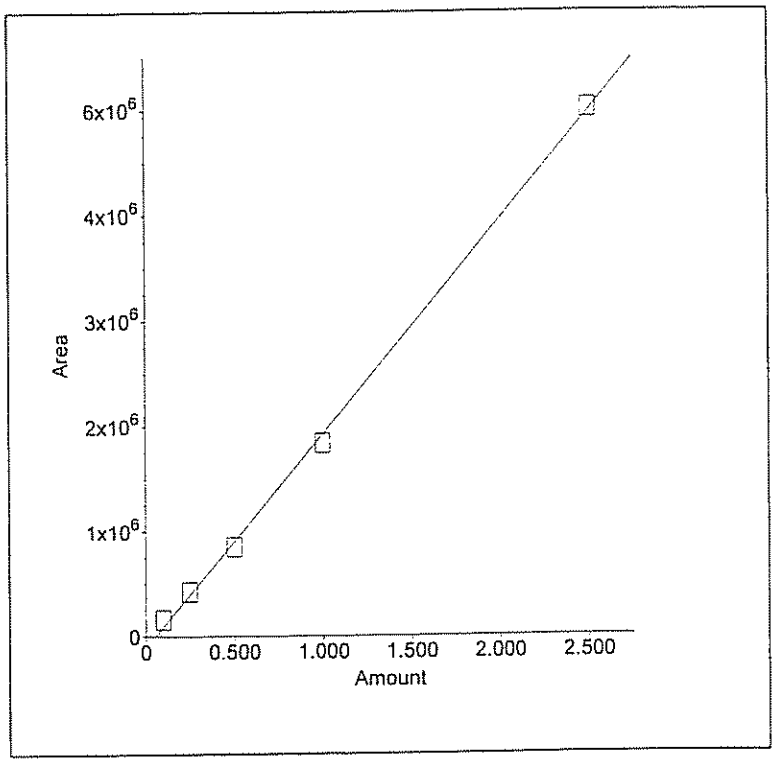
3. Component:Nitrite-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999691
Amt=5.736e-007*Resp+0.04475



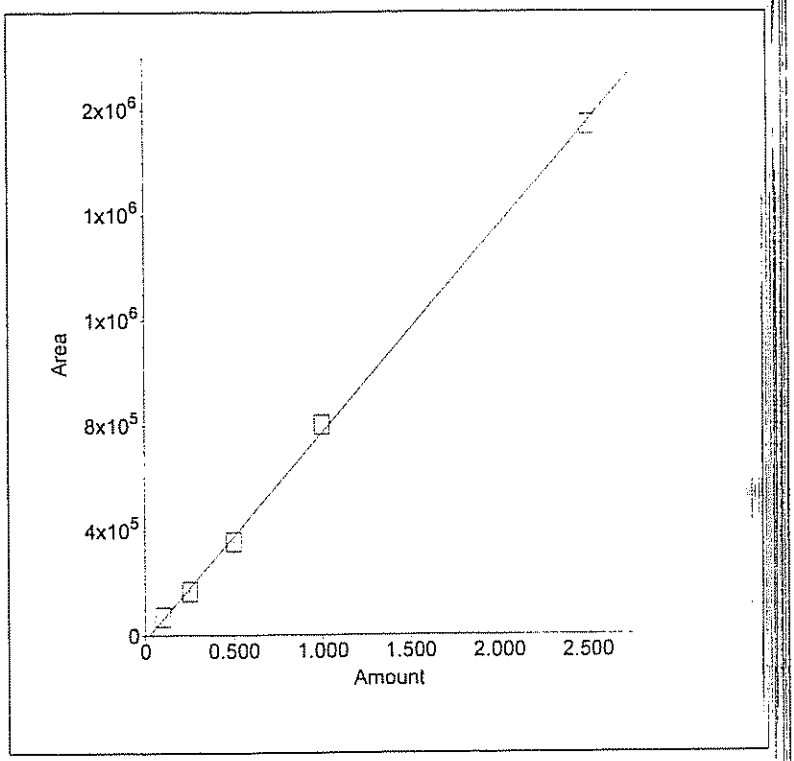
4. Component:Bromide
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999816
Amt=2.644e-006*Resp+0.02556



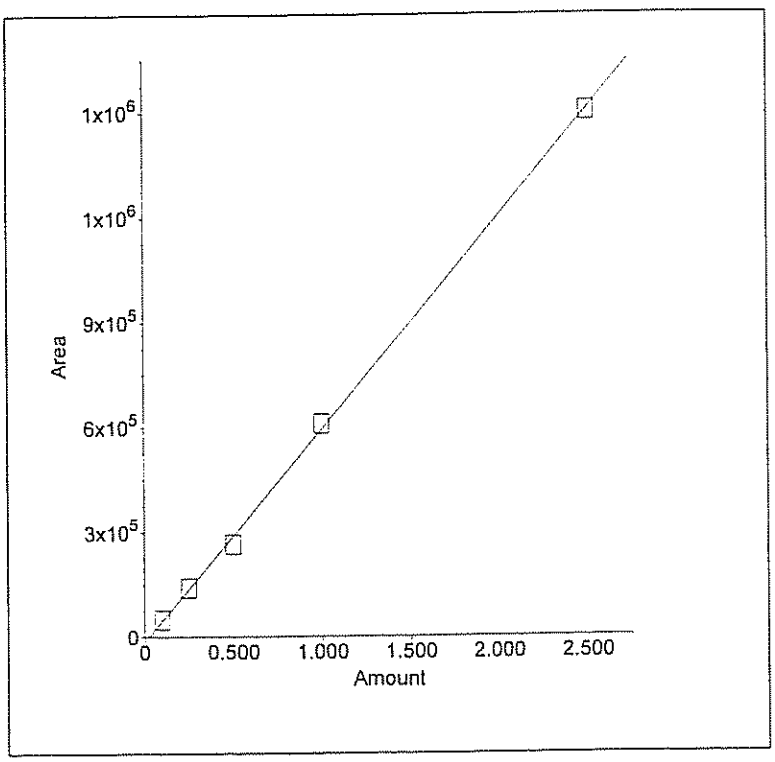
5. Component:Nitrate-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998897
Amt=4.003e-007*Resp+0.05713



6. Component:Phosphate-P
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999253
Amt=1.13e-006*Resp+0.02338



7. Component:Sulfate
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999392
Amt=1.517e-006*Resp+0.0265



Calibration Update Report

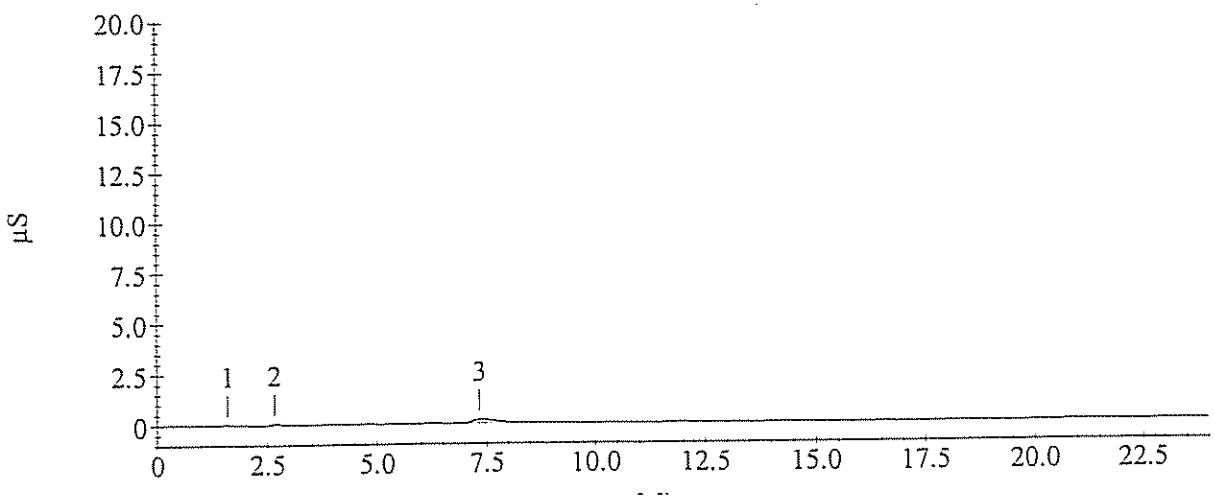
Sample Name : STD 1 - BLK
Data File Name : I:\ICDATA\IC500\090413\090413__003.DXD

Method File Name : H:\icdata\methods\method 300\090413l-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 1:31:24 PM
Calibration Date : 4/14/09 8:00:34 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1		1.60			
3	Chloride	7.33	14141	65491	65491
	Nitrite-N				
	Bromide				
	Nitrate-N				
	Phosphate-P				
	Sulfate				

STD 1 - BLK



Calibration Update Report

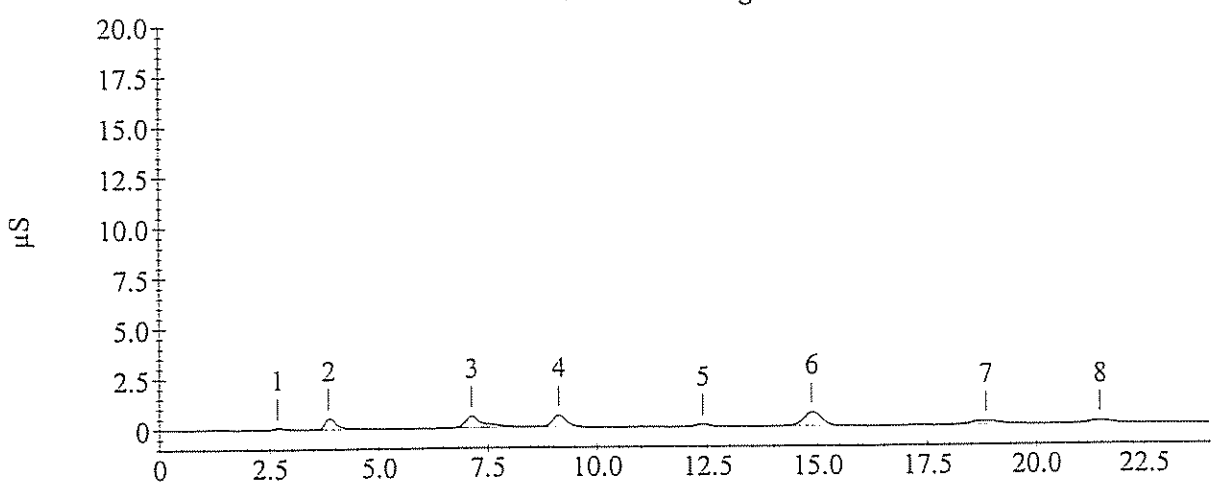
Sample Name : STD 2 - 0.10 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__004.DXD

Method File Name : H:\icdata\methods\method 300\0904131-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 1:57:41 PM
Calibration Date : 4/14/09 8:01:11 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	109228	113467	113467
3	Chloride	7.13	111281	166607	166607
4	Nitrite-N	9.13	238116	131225	131225
5	Bromide	12.40	36053	30854	30854
6	Nitrate-N	14.87	37172	193959	193959
7	Phosphate-P	18.83	224601	78077	78077
8	Sulfate	21.47	90391	53583	53583

STD 2 - 0.10 mg/L



Calibration Update Report

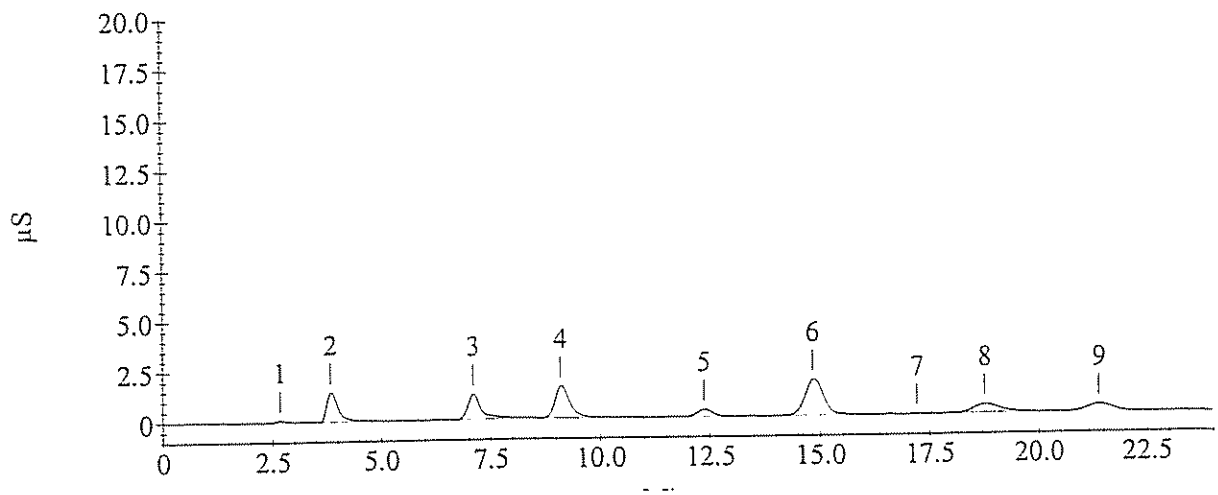
Sample Name : STD 3 - 0.25 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__005.DXD

Method File Name : H:\icdata\methods\method 300\0904131-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 2:23:59 PM
Calibration Date : 4/14/09 8:01:44 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	251932	281330	281330
3	Chloride	7.10	200312	272879	272879
4	Nitrite-N	9.10	359105	369975	369975
5	Bromide	12.37	88554	88236	88236
6	Nitrate-N	14.83	97081	520051	520051
8	Phosphate-P	18.77	508882	185575	185575
9	Sulfate	21.40	197237	152585	152585

STD 3 - 0.25 mg/L



Calibration Update Report

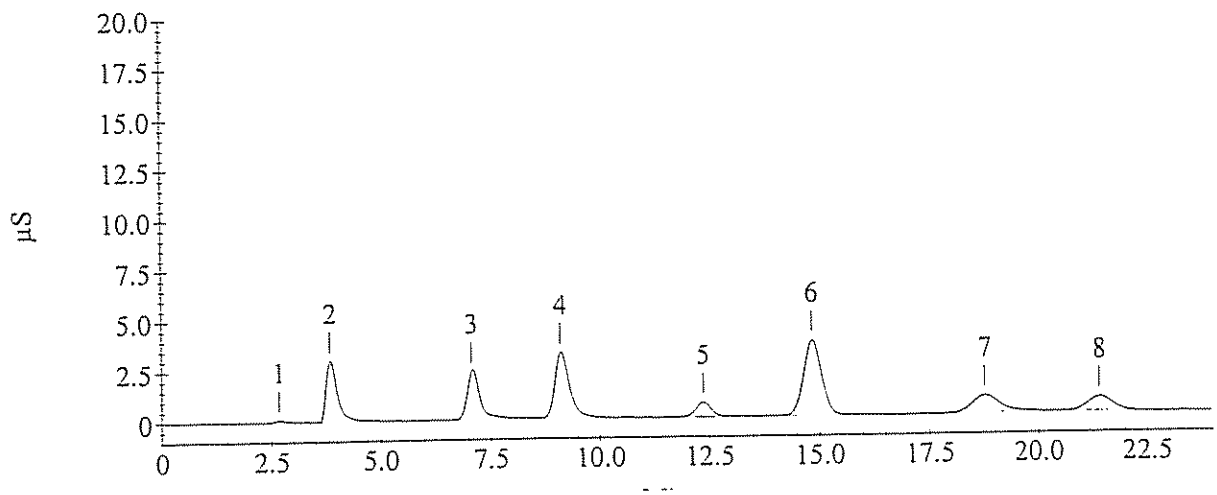
Sample Name : STD 4 - 0.50 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__006.DXD

Method File Name : H:\icdata\methods\method 300\090413I-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 2:50:13 PM
Calibration Date : 4/14/09 8:02:12 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	566172	555491	555491
3	Chloride	7.07	436667	490401	490401
4	Nitrite-N	9.10	820570	751454	751454
5	Bromide	12.37	165498	178961	178961
6	Nitrate-N	14.83	175692	1044193	1044193
7	Phosphate-P	18.77	1049405	400250	400250
8	Sulfate	21.40	358856	287349	287349

STD 4 - 0.50 mg/L



Calibration Update Report

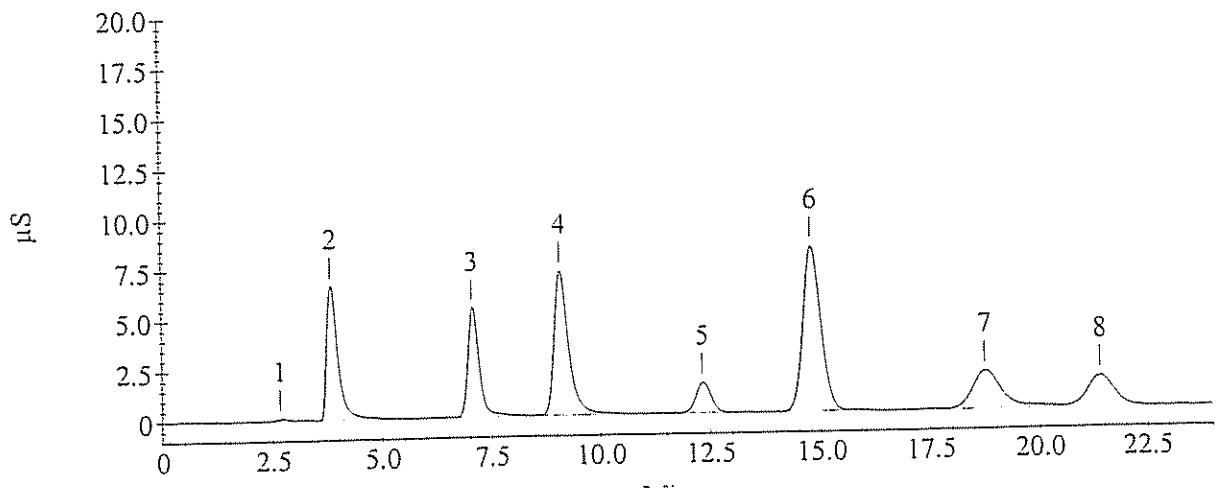
Sample Name : STD 5 - 1.00 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__007.DXD

Method File Name : H:\icdata\methods\method 300\090413I-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 3:16:25 PM
Calibration Date : 4/14/09 8:02:39 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	1163792	1207516	1207516
3	Chloride	7.07	856054	987410	987410
4	Nitrite-N	9.10	1743424	1648637	1648637
5	Bromide	12.33	356395	360053	360053
6	Nitrate-N	14.80	358323	2249320	2249320
7	Phosphate-P	18.73	2221217	900558	900558
8	Sulfate	21.40	803128	659592	659592

STD 5 - 1.00 mg/L



Calibration Update Report

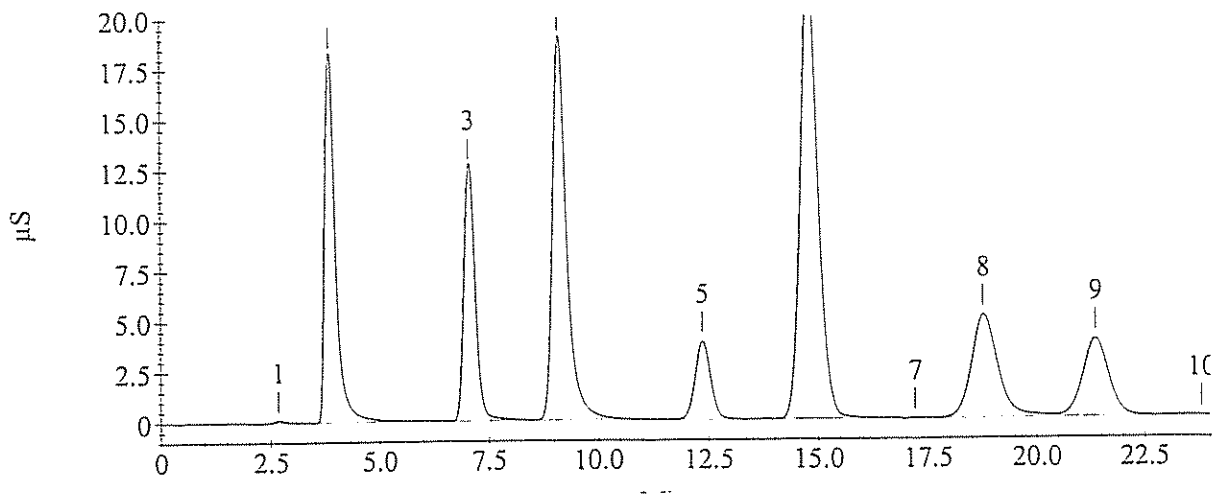
Sample Name : STD 6 - 2.50 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__008.DXD

Method File Name : H:\icdata\methods\method 300\0904131-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 3:42:44 PM
Calibration Date : 4/14/09 8:03:06 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	3297188	3178336	3178336
3	Chloride	7.03	2357835	2297767	2297767
4	Nitrite-N	9.10	4384638	4291678	4291678
5	Bromide	12.37	912041	938874	938874
6	Nitrate-N	14.80	970312	6146640	6146640
8	Phosphate-P	18.77	6452433	2181396	2181396
9	Sulfate	21.37	2207460	1626845	1626845

STD 6 - 2.50 mg/L



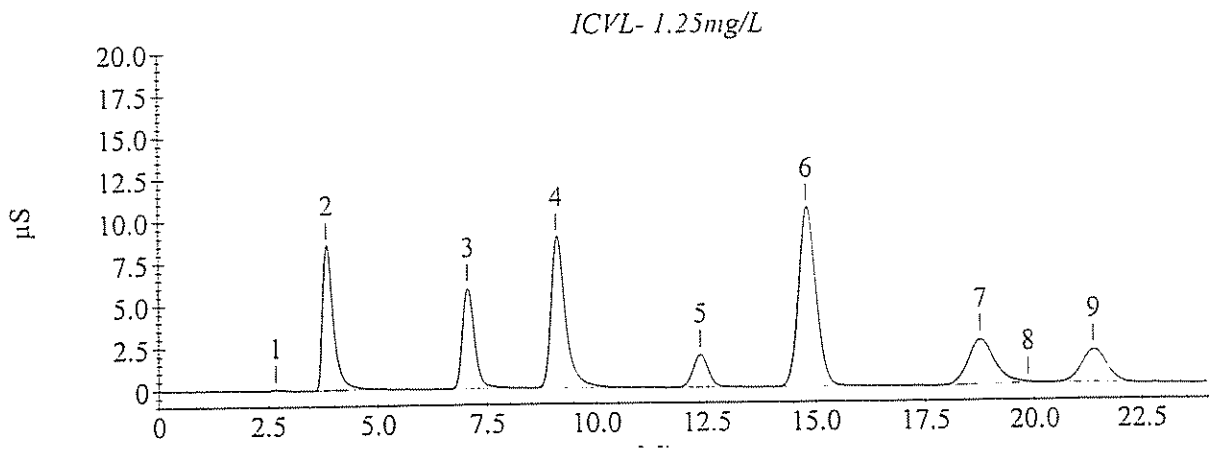
Sample Analysis Report

Sample Name : ICVL- 1.25mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__015.DXD

Method File Name : h:\icdata\methods\method 300\090413l-300-0.met
Date Time Collected : 4/13/09 6:46:30 PM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.83	1.201	1499759	84645
3	Chloride	7.07	1.203	1142085	58961
4	Nitrite-N	9.10	1.237	2077514	88478
5	Bromide	12.37	1.249	462831	19149
6	Nitrate-N	14.80	1.233	2937372	105257
7	Phosphate-P	18.77	1.318	1145547	26574
9	Sulfate	21.37	1.252	807712	19615



Method Information : Select Module(s)

System Name : DX 500
System Number : 1
Method Type : Ion Chromatography
Column :
Analyst :
Comment : (null)

CD20 Timed Events

Module Name : CD20
Module Serial Number :
SRS Current : 100 mA
Temperature Compensation : 1.7 (% / °C)
Cell Temperature : 35 °C

Time	Range (µS)	Offset	Mark	TTL1	TTL2	Relay1	Relay2	Collect
Init	10.000			Low	Low	Open	Open	
0.00	10.000			Low	Low	Open	Open	
2.40	10.000	*		Low	Low	Open	Open	
2.50	10.000			Low	Low	Open	Open	Begin

CD20 Detector Parameters

Detector Type : CD20
Data collection time (minutes) : 24.00
Data Collection Rate : 5.00
Real time plot scale maximum (µS) : 20.000
Real time plot scale minimum (µS) : -1.000

CD20 Integration Parameters

Peak detection algorithm : Standard
Starting peak width (seconds) : 20.00
Peak threshold : 0.50
Peak area reject (area counts) : 1000.00
Reference peak area reject (area counts) : 1000.00

CD20 Smoothing Parameters

Filter Type : No filter

CD20 Report Data

Report Format File : C:\PeakNet\method\DEFAULT.RPT
Print Sample Analysis : No
Print Calibration Update : No
Print Check Standard : No
System Suitability Tests :
No system suitability tests selected.

CD20 Integration Data Events

CD20 Calibration Parameters

External or internal calibration : EXTERNAL
Number of replicates for calibration : 1
Rejection : Manual
Level Weighting : Equal
Calibration standard volume : 1.00
Default sample volume : 1.00
Amount units :
Replace retention time : Yes
Update response : Yes
Default dilution factor : 1.00
Default response factor for unknown peaks : 0.00
Calculate unknowns by area or height : Area

CD20 Component Identification Table

Component	Retention	Tolerance	Reference
Fluoride	3.90 min	0.50 min	
Chloride	7.20 min	0.50 min	
Nitrite-N	9.20 min	0.50 min	
Bromide	12.17 min	0.50 min	
Nitrate-N	14.37 min	0.50 min	
Phosphate-P	18.47 min	0.50 min	
Sulfate	20.93 min	0.50 min	

CD20 Component Quantitation Table

Component	Retention	Low Limit	High Limit
Fluoride	3.90 min	0	0
Chloride	7.20 min	0	0
Nitrite-N	9.20 min	0	0
Bromide	12.17 min	0	0
Nitrate-N	14.37 min	0	0
Phosphate-P	18.47 min	0	0
Sulfate	20.93 min	0	0

CD20 Component Calibration Table

Component	Retention Time	Curve Fit	Origin	Cal. by	Response Component	Relative Factor
Fluoride	3.90 min	Quadratic	Ignore	Area		0.00
Chloride	7.20 min	Linear	Ignore	Area	Fluoride	0.00
Nitrite-N	9.20 min	Quadratic	Ignore	Area	Fluoride	0.00
Bromide	12.17 min	Linear	Ignore	Area	Fluoride	0.00
Nitrate-N	14.37 min	Linear	Ignore	Area	Fluoride	0.00
Phosphate-P	18.47 min	Linear	Ignore	Area	Fluoride	0.00
Sulfate	20.93 min	Linear	Ignore	Area	Fluoride	0.00

CD20 Component = Fluoride Levels Table

Retention Time : 3.90 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	3.20567e+006
2	5.00	7.01165e+006
3	10.00	1.44487e+007
4	15.00	2.23534e+007
5	25.00	3.50714e+007
6	50.00	6.36599e+007

CD20 Component = Chloride Levels Table

Retention Time : 7.20 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	2.31513e+006
2	5.00	5.12974e+006
3	10.00	1.1618e+007
4	15.00	1.88113e+007
5	25.00	3.2549e+007
6	50.00	6.87453e+007

CD20 Component = Nitrite-N Levels Table

Retention Time : 9.20 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	4.32597e+006
2	5.00	9.36407e+006
3	10.00	1.90685e+007
4	15.00	2.89646e+007
5	25.00	4.48407e+007
6	50.00	8.0486e+007

CD20 Component = Bromide Levels Table

Retention Time : 12.17 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	934531
2	5.00	1.98601e+006
3	10.00	4.29025e+006
4	15.00	7.06614e+006
5	25.00	1.24593e+007
6	50.00	2.76522e+007

CD20 Component = Nitrate-N Levels Table

Retention Time : 14.37 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	6.17316e+006
2	5.00	1.40164e+007
3	10.00	3.11157e+007
4	15.00	5.03804e+007
5	25.00	8.57761e+007
6	50.00	1.78276e+008

CD20 Component = Phosphate-P Levels Table

Retention Time : 18.47 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

Level	Amount	Replicate 1
1	2.50	2.16701e+006
2	5.00	4.60608e+006
3	10.00	1.00639e+007
4	15.00	1.65778e+007
5	25.00	2.9113e+007
6	50.00	6.29424e+007

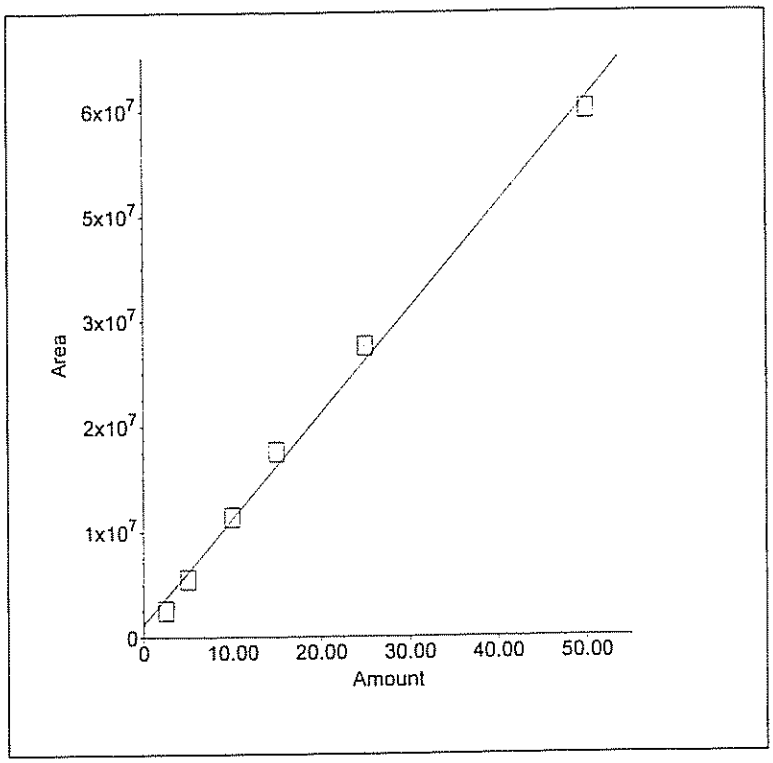
CD20 Component = Sulfate Levels Table

Retention Time : 20.93 min
Amount units :
Replicate unit type : Area
Number of levels : 6
Number of replicates : 1

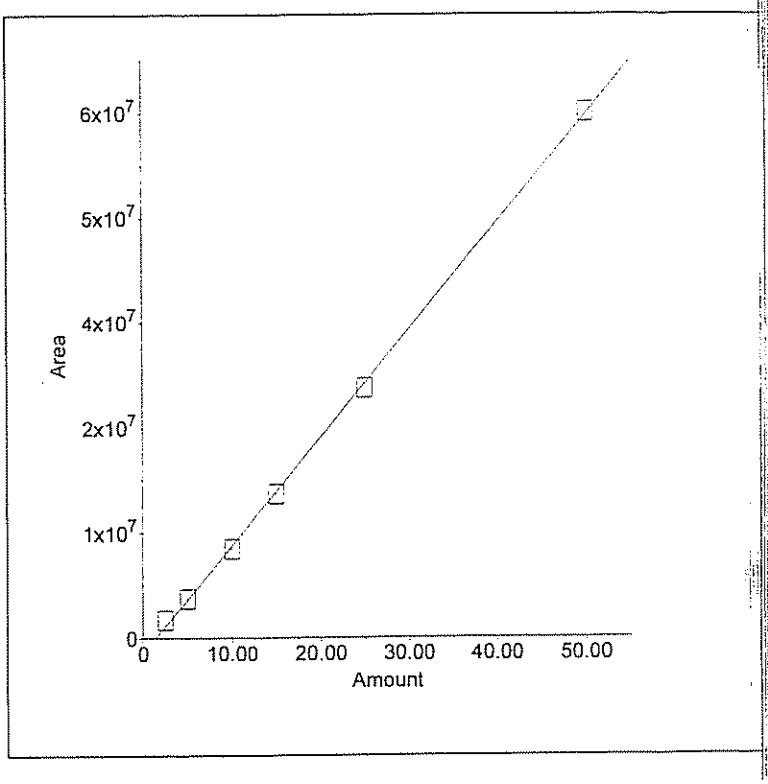
Level	Amount	Replicate 1
1	2.50	1.60388e+006
2	5.00	3.39532e+006
3	10.00	7.21621e+006
4	15.00	1.16693e+007
5	25.00	2.0338e+007
6	50.00	4.46359e+007

CD20 XY Data Parameters

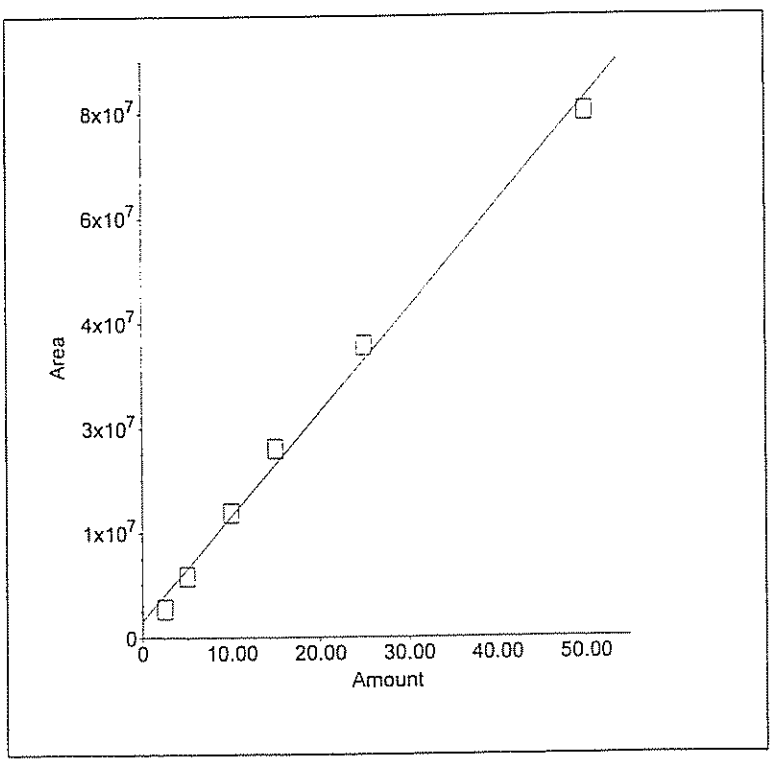
1. Component:Fluoride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.995509
Amt=7.854e-007*Resp+-1.162



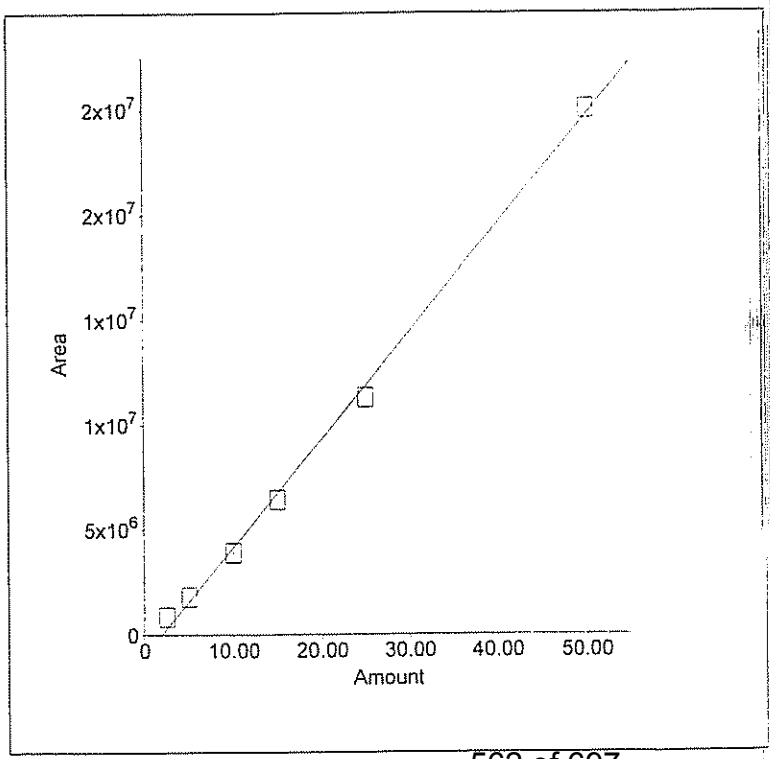
2. Component:Chloride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999518
Amt=7.107e-007*Resp+1.433



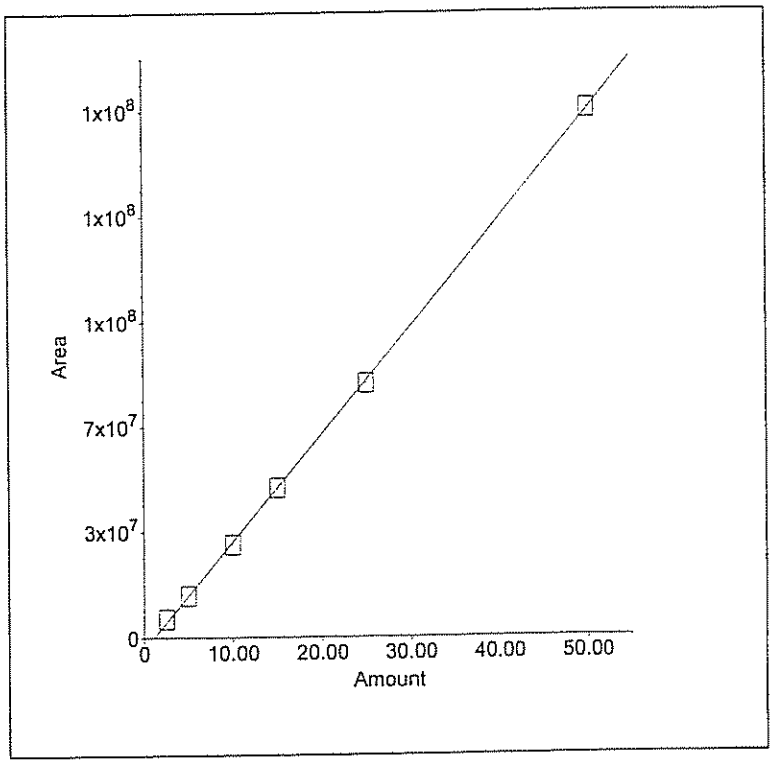
3. Component:Nitrite-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.994488
Amt=6.244e-007*Resp+-1.551



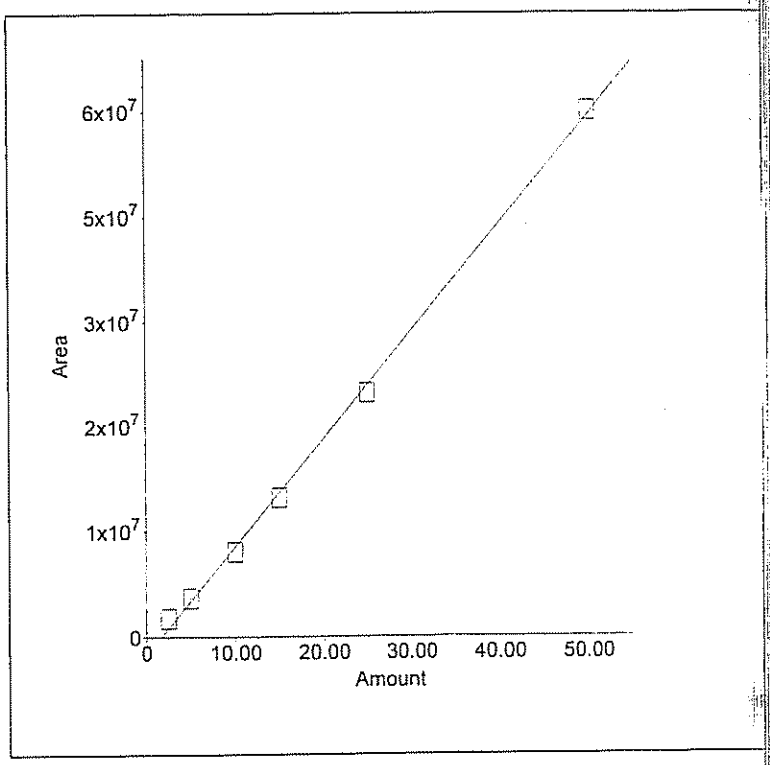
4. Component:Bromide
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.997646
Amt=1.762e-006*Resp+1.949



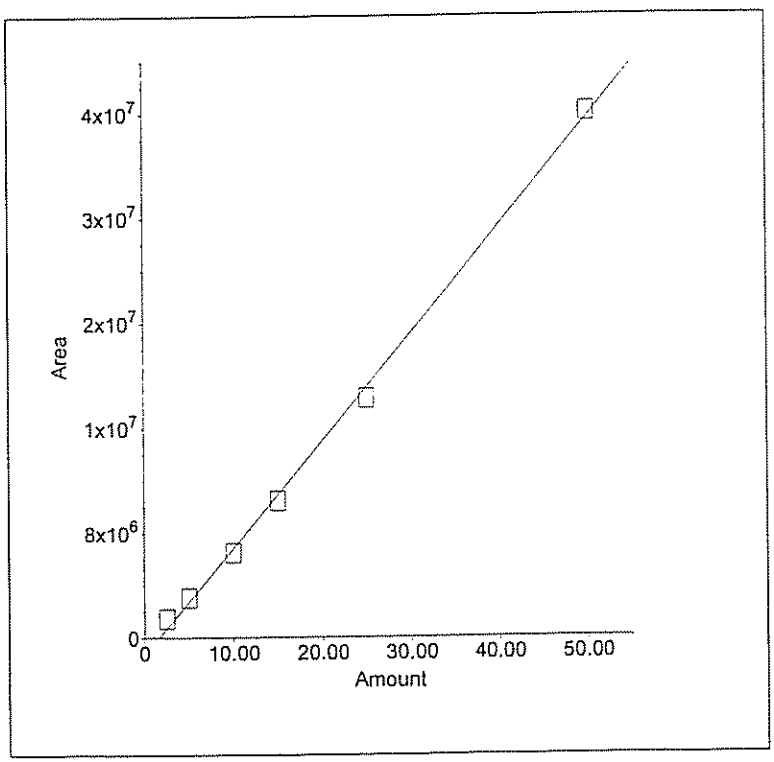
5. Component:Nitrate-N
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999804
Amt=2.748e-007*Resp+1.164



6. Component:Phosphate-P
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998666
Amt=7.747e-007*Resp+1.715



7. Component:Sulfate
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.998128
Amt=1.096e-006*Resp+1.686



Calibration Update Report

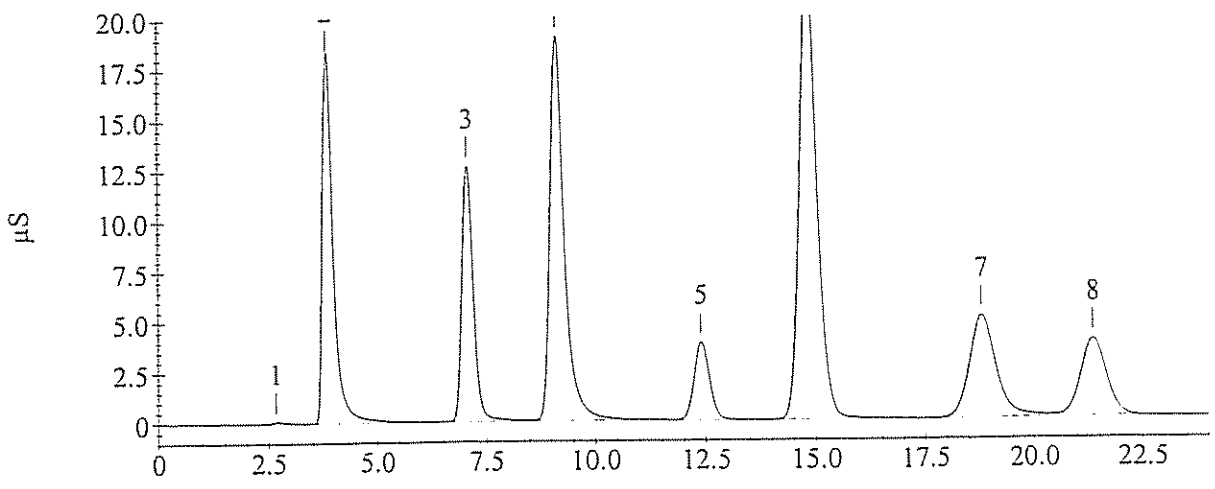
Sample Name : STD 1 - 2.50 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__009.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 4:08:59 PM
Calibration Date : 4/14/09 8:20:13 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	3285072	3205667	3205667
3	Chloride	7.07	2340913	2315125	2315125
4	Nitrite-N	9.13	4613604	4325970	4325970
5	Bromide	12.40	945000	934531	934531
6	Nitrate-N	14.83	6141691	6173164	6173164
7	Phosphate-P	18.80	1366019	2167005	2167005
8	Sulfate	21.37	1863633	1603882	1603882

STD 1 - 2.50 mg/L



Calibration Update Report

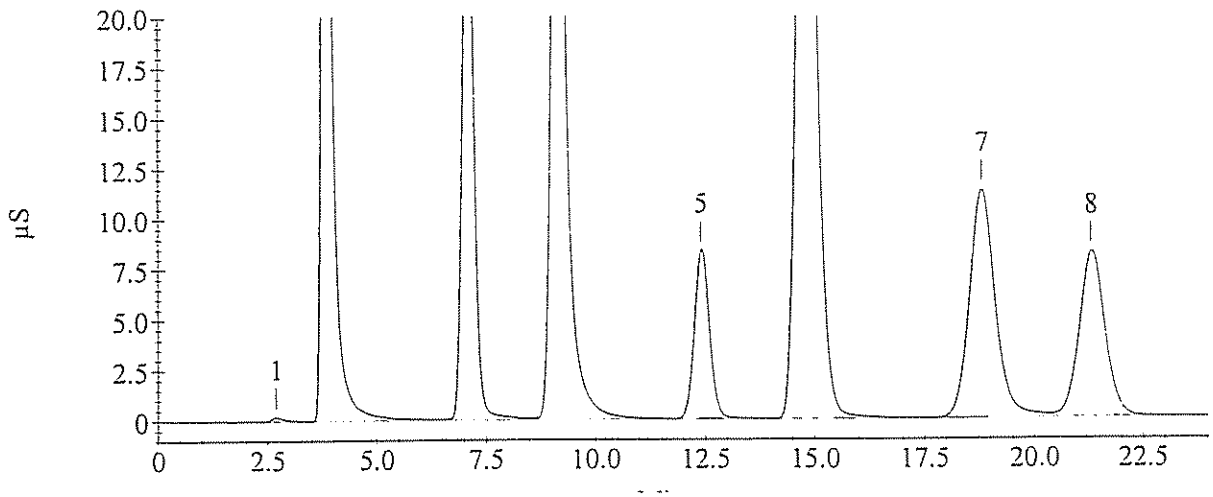
Sample Name : STD 2 - 5.00 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__010.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 4:35:15 PM
Calibration Date : 4/14/09 8:20:45 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.83	6687653	7011648	7011648
3	Chloride	7.07	4744908	5129739	5129739
4	Nitrite-N	9.13	9326874	9364073	9364073
5	Bromide	12.40	1941879	1986008	1986008
6	Nitrate-N	14.77	13478598	14016374	14016374
7	Phosphate-P	18.80	3005917	4606081	4606081
8	Sulfate	21.30	3101926	3395316	3395316

STD 2 - 5.00 mg/L



Calibration Update Report

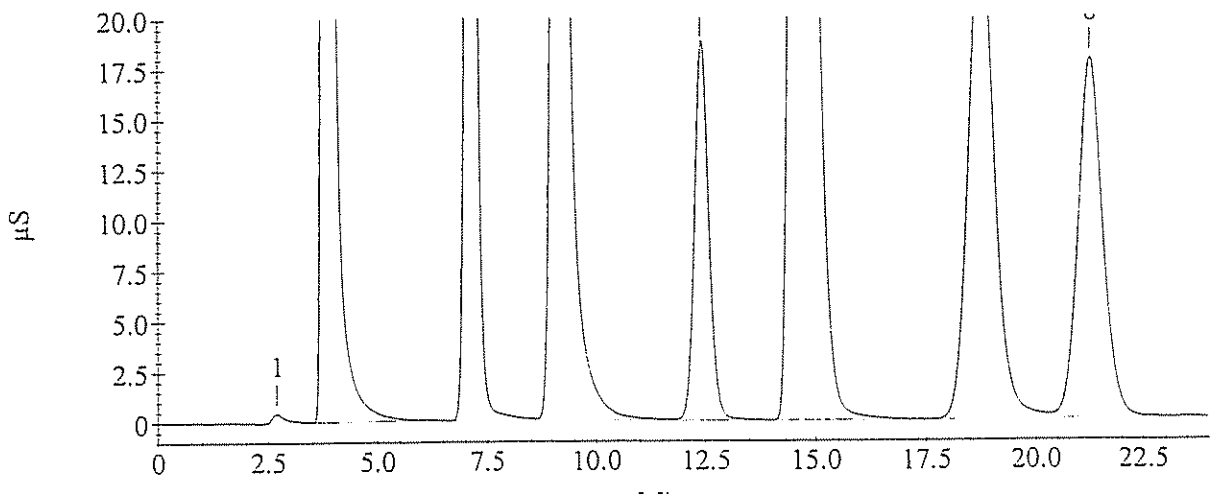
Sample Name : STD 3 - 10.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__011.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 5:01:34 PM
Calibration Date : 4/14/09 8:21:16 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.87	14549953	14448716	14448716
3	Chloride	7.13	10917702	11617995	11617995
4	Nitrite-N	9.17	18846586	19068545	19068545
5	Bromide	12.40	4224476	4290252	4290252
6	Nitrate-N	14.63	29765135	31115716	31115716
7	Phosphate-P	18.77	7238114	10063941	10063941
8	Sulfate	21.27	6779202	7216215	7216215

STD 3 - 10.0 mg/L



Calibration Update Report

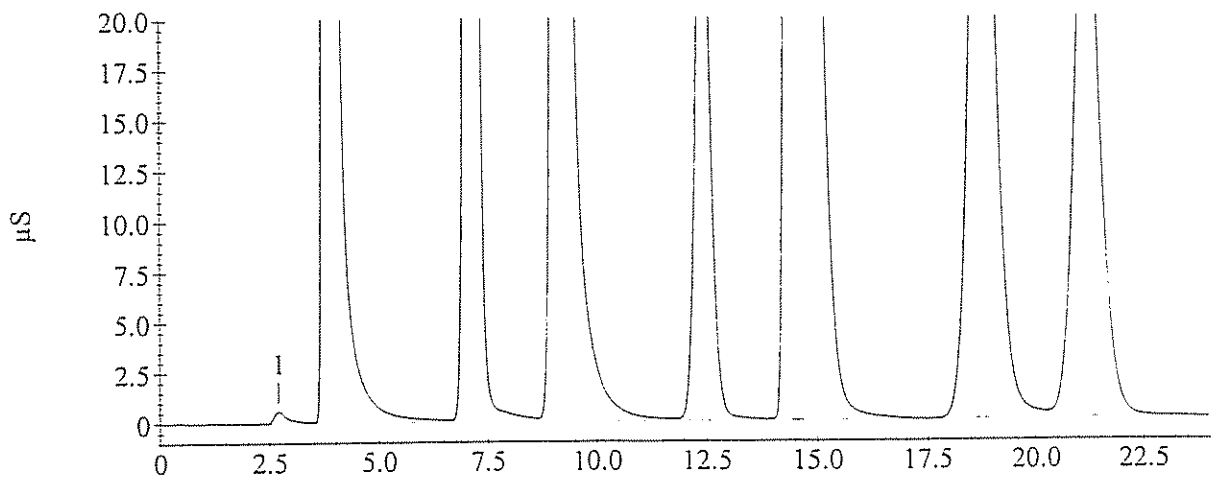
Sample Name : STD 4 - 15.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__012.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 5:27:48 PM
Calibration Date : 4/14/09 8:21:42 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.87	21370091	22353389	22353389
3	Chloride	7.17	18190071	18811305	18811305
4	Nitrite-N	9.17	28434383	28964592	28964592
5	Bromide	12.43	6967382	7066137	7066137
6	Nitrate-N	14.57	46826178	50380358	50380358
7	Phosphate-P	18.77	12354609	16577849	16577849
8	Sulfate	21.20	10793955	11669293	11669293

STD 4 - 15.0 mg/L



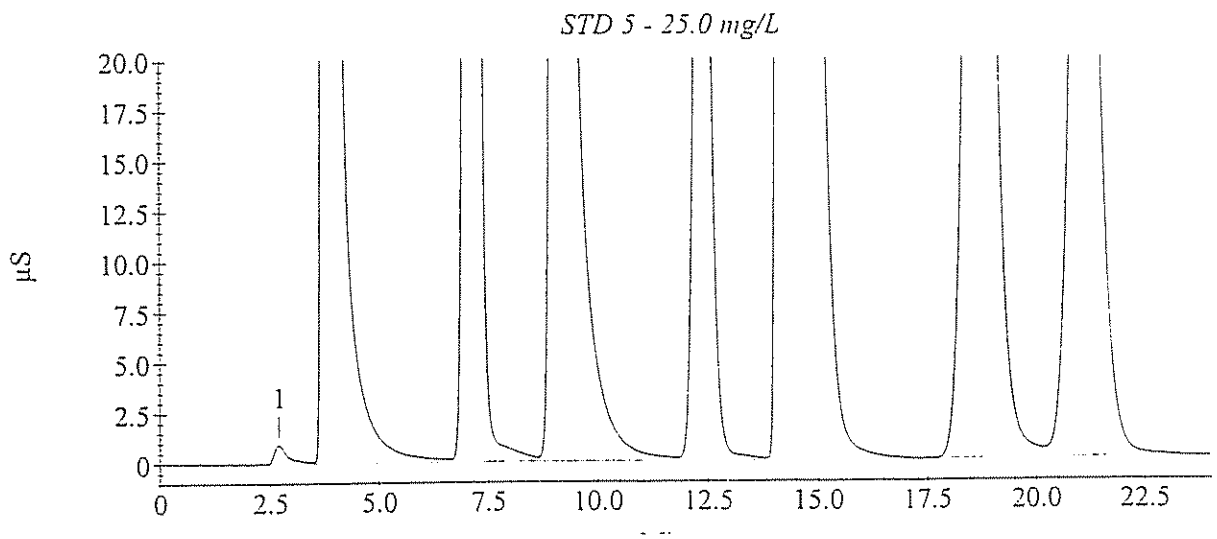
Calibration Update Report

Sample Name : STD 5 - 25.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__013.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 5:54:02 PM
Calibration Date : 4/14/09 8:22:12 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.87	35795108	35071446	35071446
3	Chloride	7.17	30230161	32549027	32549027
4	Nitrite-N	9.20	43008339	44840701	44840701
5	Bromide	12.37	12092529	12459309	12459309
6	Nitrate-N	14.37	79555670	85776098	85776098
7	Phosphate-P	18.70	22437677	29113005	29113005
8	Sulfate	21.10	19585760	20338029	20338029



Calibration Update Report

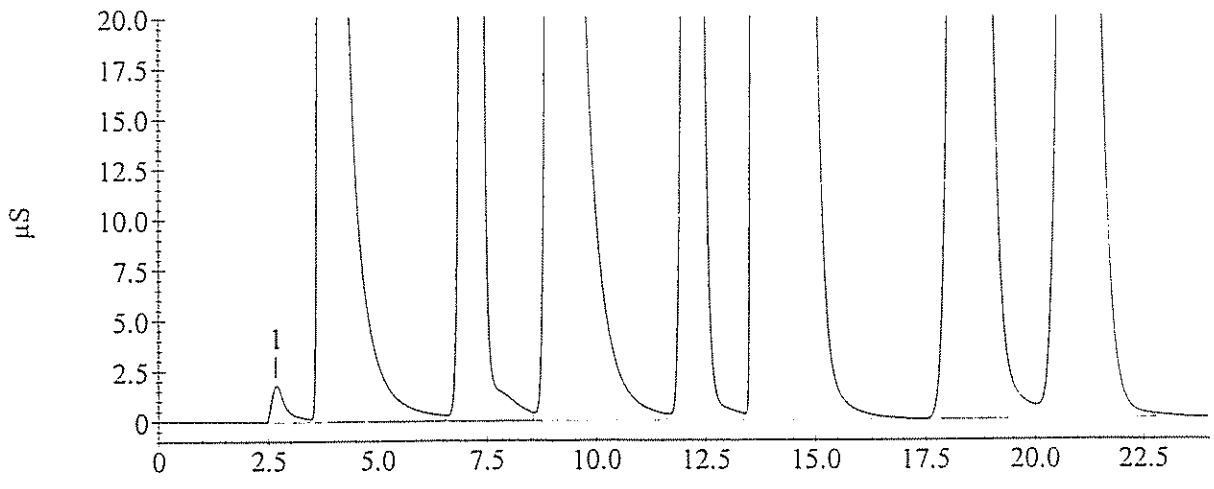
Sample Name : STD 6 - 50.0 mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__014.DXD

Method File Name : H:\icdata\methods\method 300\090413h-300-0.met
Schedule File Name : h:\icdata\schedules\090413-300.sch
Date Time Collected : 4/13/09 6:20:18 PM
Calibration Date : 4/14/09 8:22:44 AM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	Fluoride	3.90	63252719	63659939	63659939
3	Chloride	7.20	64997521	68745329	68745329
4	Nitrite-N	9.20	77822760	80486032	80486032
5	Bromide	12.17	27128528	27652210	27652210
6	Nitrate-N	13.87	168531288	178275998	178275998
7	Phosphate-P	18.47	58470285	62942396	62942396
8	Sulfate	20.93	62302366	44635874	44635874

STD 6 - 50.0 mg/L



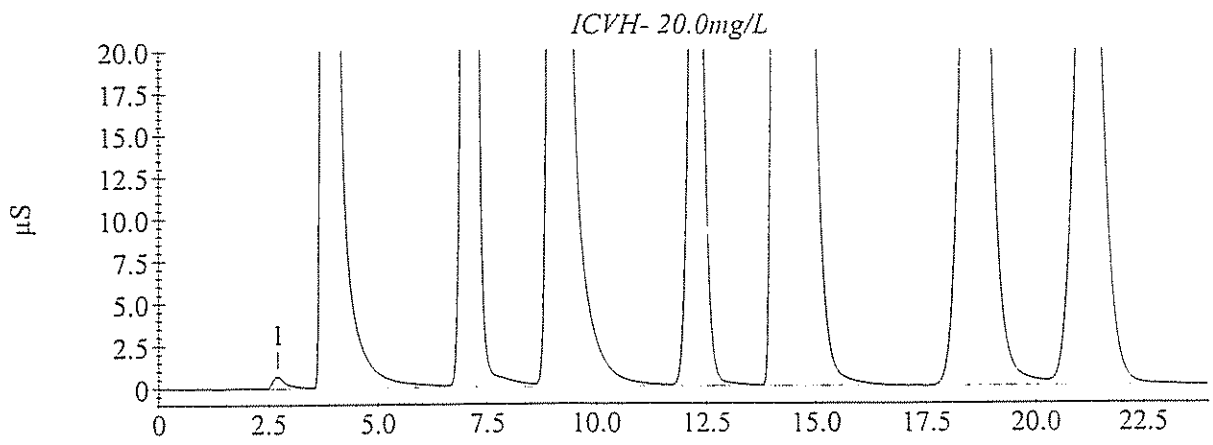
Sample Analysis Report

Sample Name : ICVH- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090413\090413__016.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 4/13/09 7:12:47 PM
System Operator : JCSA

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
2	Fluoride	3.87	20.581	27684136	1404166
3	Chloride	7.13	19.187	24982163	1483740
4	Nitrite-N	9.13	20.945	36024970	1467037
5	Bromide	12.27	18.626	9467222	435305
6	Nitrate-N	14.30	19.500	66718301	1916409
7	Phosphate-P	18.60	18.694	21914848	570125
8	Sulfate	21.20	19.645	16387150	408124



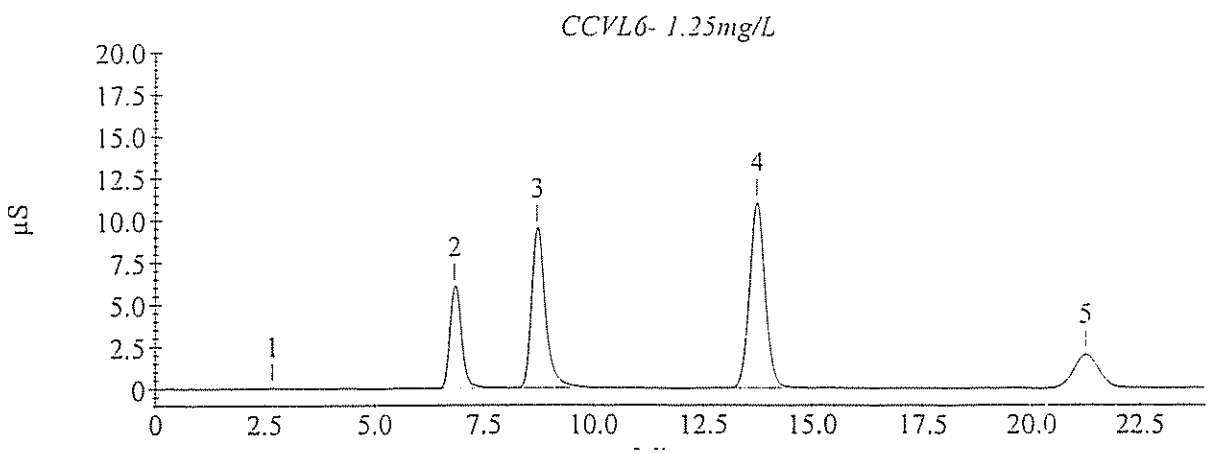
Sample Analysis Report

Sample Name : CCVL6- 1.25mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__076.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/8/09 7:53:48 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.67	0.000	7740	538
2	Chloride	6.83	1.204	1142398	59362
3	Nitrite-N Bromide	8.70	1.237	2078840	93857
4	Nitrate-N Phosphate-P	13.73	1.169	2777233	109428
5	Sulfate	21.23	1.221	787341	19562



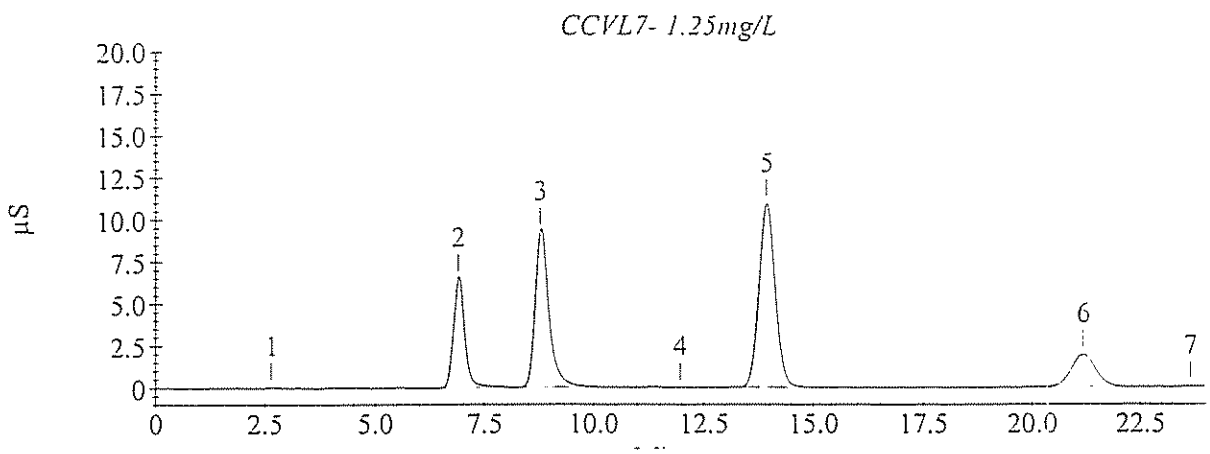
Sample Analysis Report

Sample Name : CCVL7- 1.25mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__088.DXD

Method File Name : h:\icdata\methods\method 300\0904131-300-0.met
Date Time Collected : 5/9/09 1:13:32 AM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.63	0.000	12875	683
2	Chloride	6.90	1.239	1174245	64763
3	Nitrite-N	8.77	1.242	2086765	92061
4	Bromide	11.97	0.036	3916	237
5	Nitrate-N	13.93	1.181	2808763	108821
6	Phosphate-P Sulfate	21.17	1.192	768114	19221



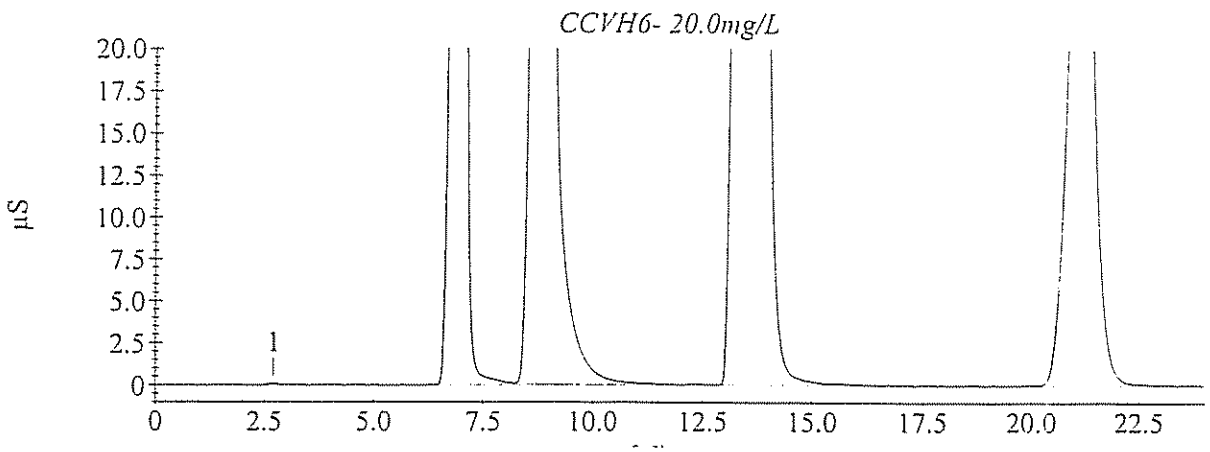
Sample Analysis Report

Sample Name : CCVH6- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__077.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/8/09 8:20:24 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.70	0.000	12591	960
2	Chloride	6.87	19.520	25451466	1393247
3	Nitrite-N Bromide	8.77	21.691	37218649	1534426
4	Nitrate-N Phosphate-P	13.37	19.042	65049195	2086136
5	Sulfate	21.07	18.344	15199985	403421



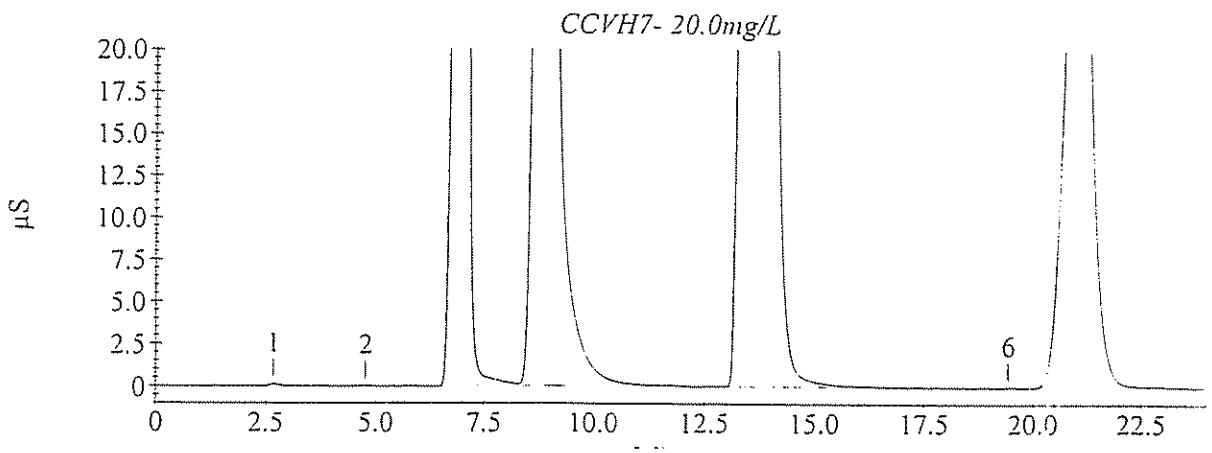
Sample Analysis Report

Sample Name : CCVH7- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090507\090507__089.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/9/09 1:40:10 AM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.67	0.000	25297	1284
3	Chloride	6.90	19.753	25778035	1389438
4	Nitrite-N Bromide	8.83	21.770	37345675	1550037
5	Nitrate-N Phosphate-P	13.50	19.269	65878651	2075656
7	Sulfate	20.97	18.614	15446162	407409



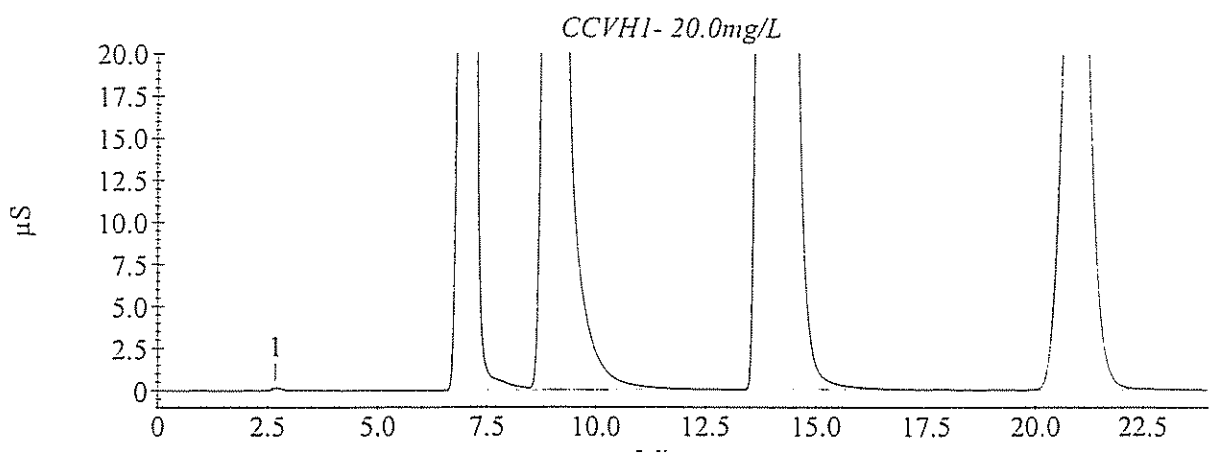
Sample Analysis Report

Sample Name : CCVH1- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090511\090511___017.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/11/09 7:10:40 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.67	0.000	28809	1614
2	Chloride	7.07	20.658	27052226	1443264
3	Nitrite-N Bromide	9.00	22.613	38696500	1566046
4	Nitrate-N Phosphate-P	13.90	20.123	68984825	2055353
5	Sulfate	20.90	19.379	16144251	423626



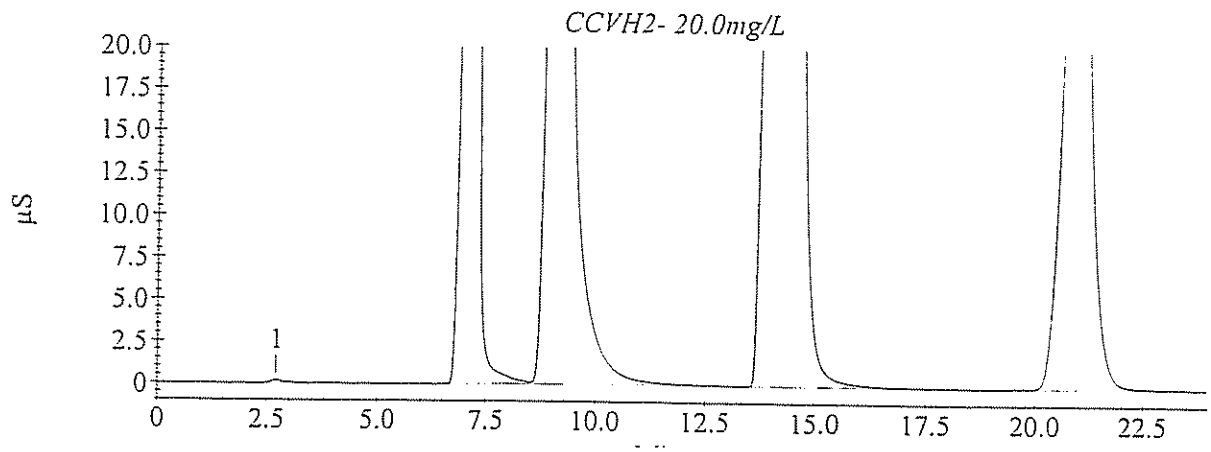
Sample Analysis Report

Sample Name : CCVH2- 20.0mg/L
Data File Name : I:\ICDATA\IC500\090511\090511___026.DXD

Method File Name : h:\icdata\methods\method 300\090413h-300-0.met
Date Time Collected : 5/11/09 11:10:25 PM
System Operator : JCSA/MP

Peak Information : All Components

Peak #	Component Name	Peak Retention Time	Component Amount	Peak Area	Peak Height
1		2.70	0.000	39491	1766
2	Chloride	7.10	20.813	27269813	1570599
3	Nitrite-N Bromide	9.03	22.600	38675552	1531290
4	Nitrate-N Phosphate-P	14.00	20.248	69440128	2036796
5	Sulfate	20.87	19.493	16247883	425705



SAMPLE DATA PACKAGE

RSK 175 DATA

A. QC Summary

B. Sample Data

C. Standards Data

D. Raw QC Data

GPL Laboratories

A. QC Summary

1. System Monitoring Compound Recovery
2. Matrix Spike/Matrix Spike Duplicate Recovery
3. Laboratory Control Standard Summary (where applicable)
4. Method Blank Summary
5. GC/MS Instrument Performance Check
6. Internal Standard Area and RT Summary

GPL Laboratories

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name : GPL Laboratories SDG NO : 905068 Method : GPL-RSK-175

Lab Code : GPL Lab Sample ID : 905068-003-020-1/2MSD Matrix : WATER Analysis Date : 05/20/2009

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
Ethane	31.2	31.2	0.0	30	25	97	77*	25	25	80-120
Ethene	29.1	29.1	0.0	25	22	86	76*	12	25	80-120
Methane	16.6	16.6	160	120	110	~~105~~*	~~64.7~~*	~~8~~ 9	25	80-120

06/04/09

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 3 Outside Limit
Spike Recovery : 2 Out of 6 outside limit

B. Sample Data

1. TCL Results
2. Tentatively Identified Compounds
3. Quantitation Report and Reconstructed Total Ion Chromatograms
4. Mass Spectra for Identified TCL Compounds
5. Library Search Mass Spectra for Tentatively Identified Compounds
6. Quantitation/Calibration of Tentatively Identified Compounds

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-007-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	13	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50139.D Vial: 3
Acq On : 21 May 20109 3:5 Operator: MRH
Sample : 905070-001 Inst : FID
Misc : OUI-FB050709, CH2M, WATER, 10ML Multiplr: 1.00
IntFile : rteint.p
Quant Time: May 21 7:46 2009 Quant Results File: RSK0519.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.15	122	12.809	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	
3) T Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

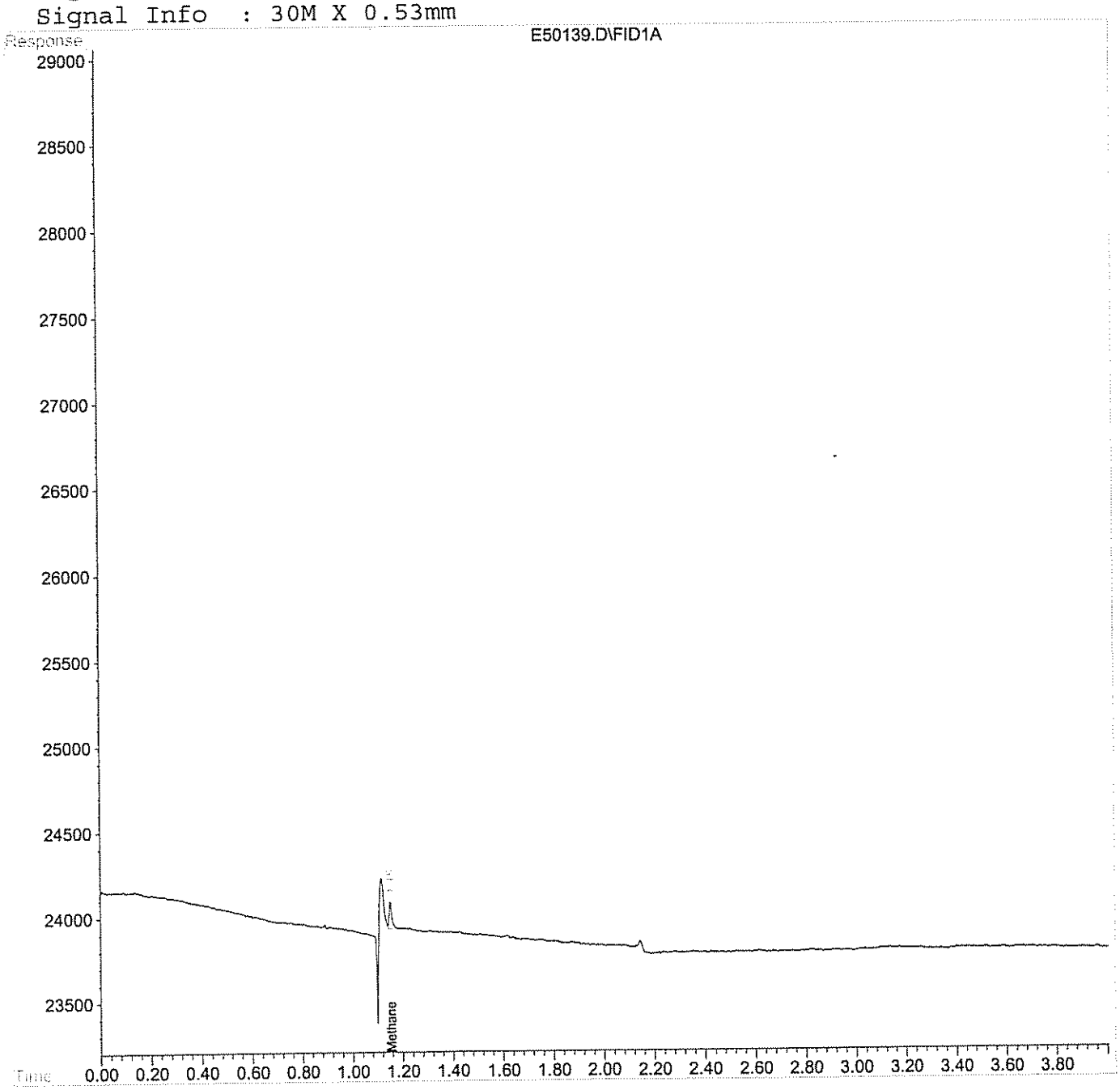
Quantitation Report

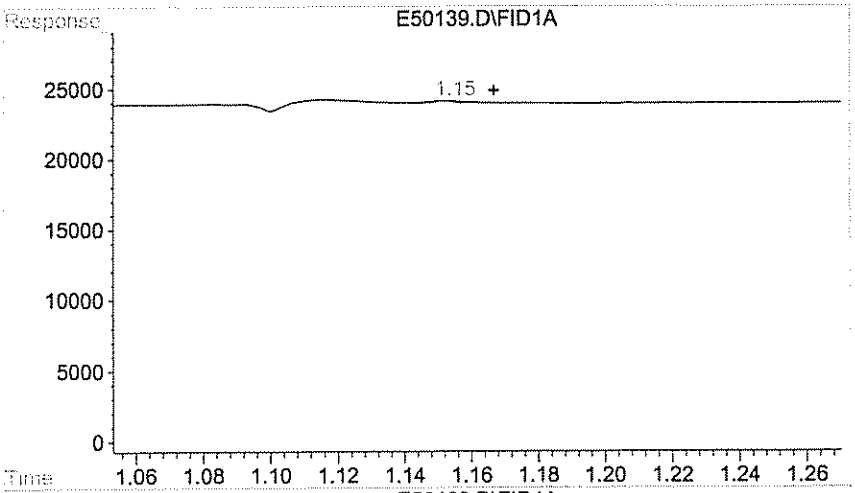
Data File : H:\GCMSDATA\E\052109\E50139.D
Acq On : 21 May 20109 3:5
Sample : 905070-001
Misc : OUI-FB050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 21 7:46 2009 Quant Results File: RSK0519.RES

Vial: 3
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

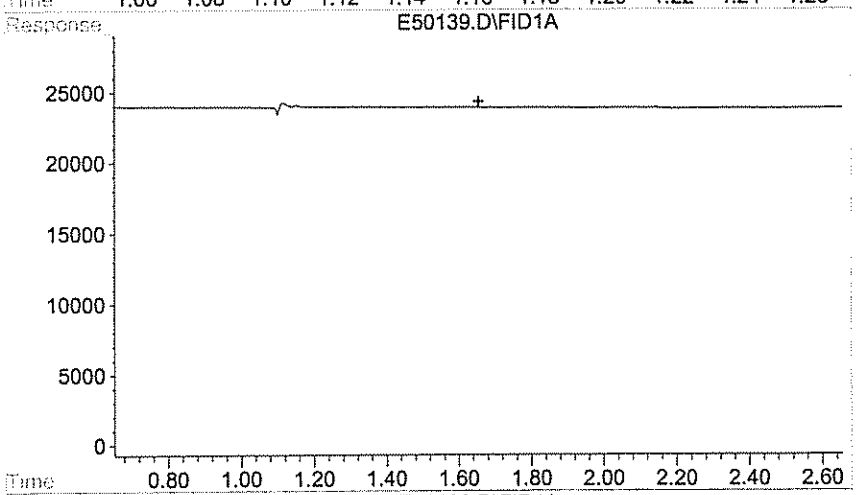
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





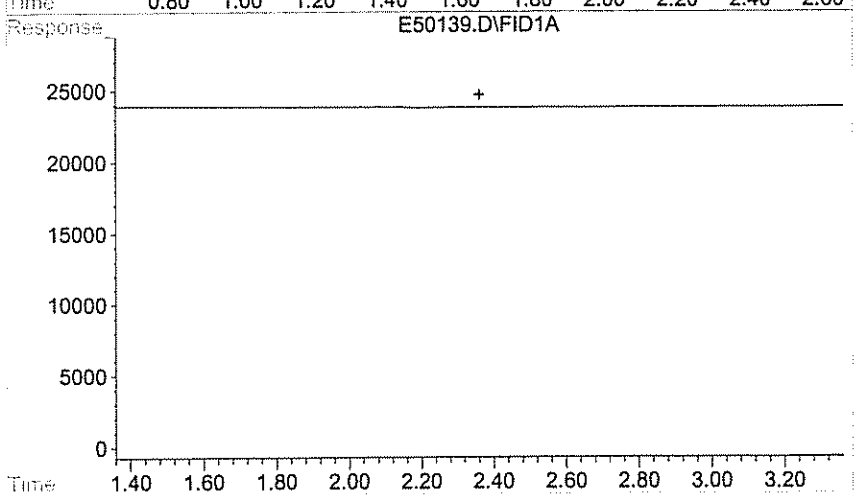
#1 Methane

R.T.: 1.153 min
Delta R.T.: -0.013 min
Response: 122
Conc: 12.81 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 1.653 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.360 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-008-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	10	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50185.D
Acq On : 28 May 20109 121:4
Sample : 905070-001
Misc : OUI-FB050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 28 13:53 2009 Quant Results File: RSK0528.RES

Vial: 9
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.58	56	10.094	ppb	
2) T Ethane	0.00	0	N.D.	ppb	d
3) T Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

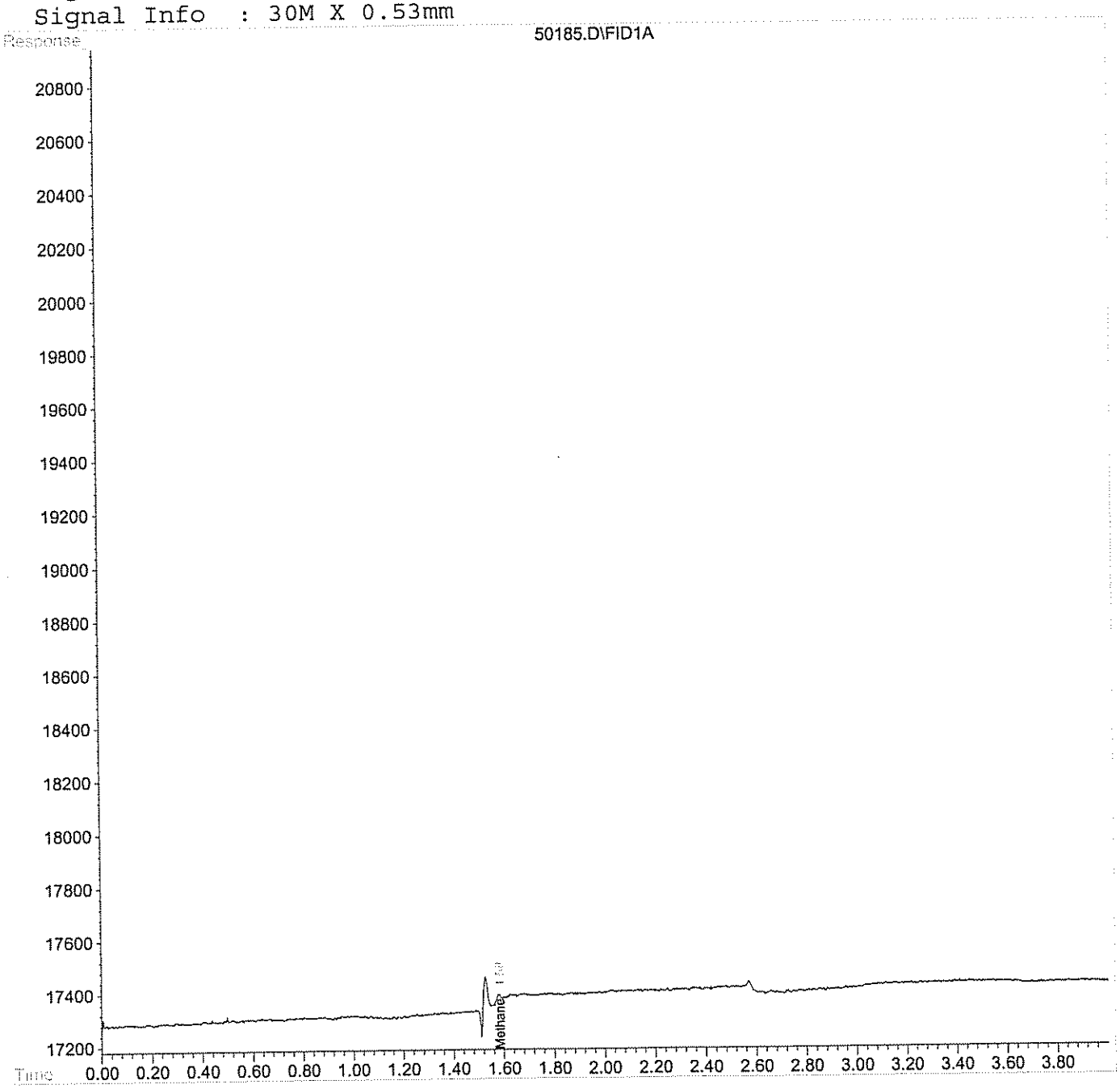
Quantitation Report

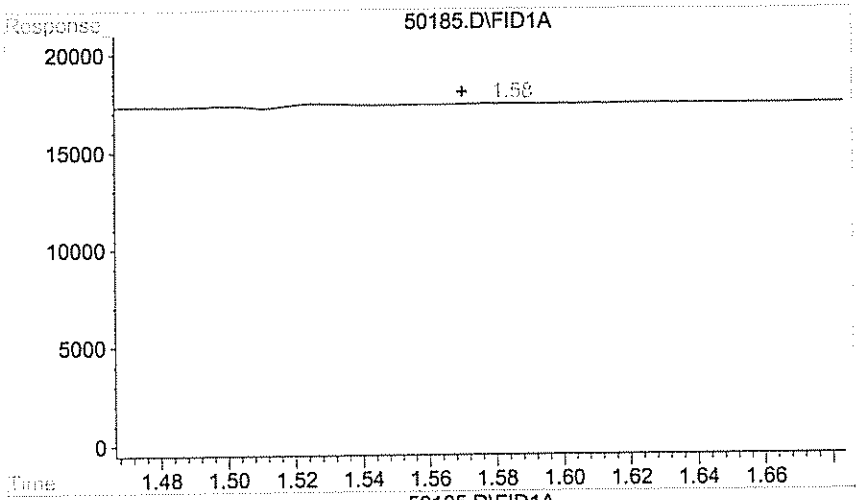
Data File : H:\GCMSDATA\E\052809\50185.D
Acq On : 28 May 20109 121:4
Sample : 905070-001
Misc : OUI-FB050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 28 13:53 2009 Quant Results File: RSK0528.RES

Vial: 9
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

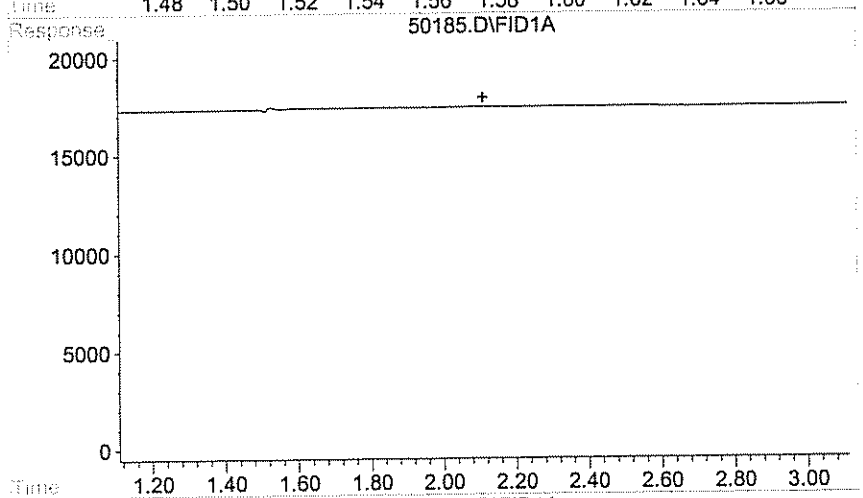
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





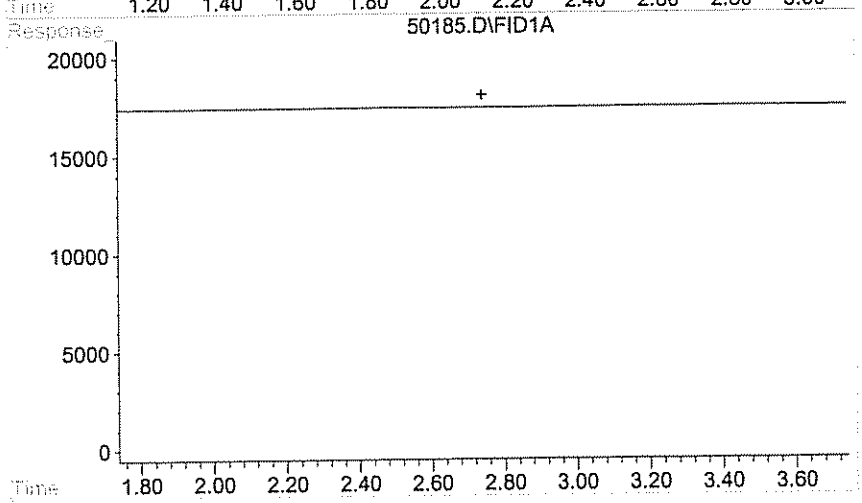
#1 Methane

R.T.: 1.583 min
Delta R.T.: 0.013 min
Response: 56
Conc: 10.09 ppb



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 2.110 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.740 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-009-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	43	E

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50140.D Vial: 4
Acq On : 21 May 20109 6:1 Operator: MRH
Sample : 905070-002 Inst : FID
Misc : OUI-EB01-050709, CH2M, WATER, 10ML Multiplr: 1.00
IntFile : rteint.p
Quant Time: May 21 7:45 2009 Quant Results File: RSK0519.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1) T	Methane	1.18	406	42.626	ppb	m
2) T	Ethane	0.00	0	N.D.	ppb	
3) T	Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

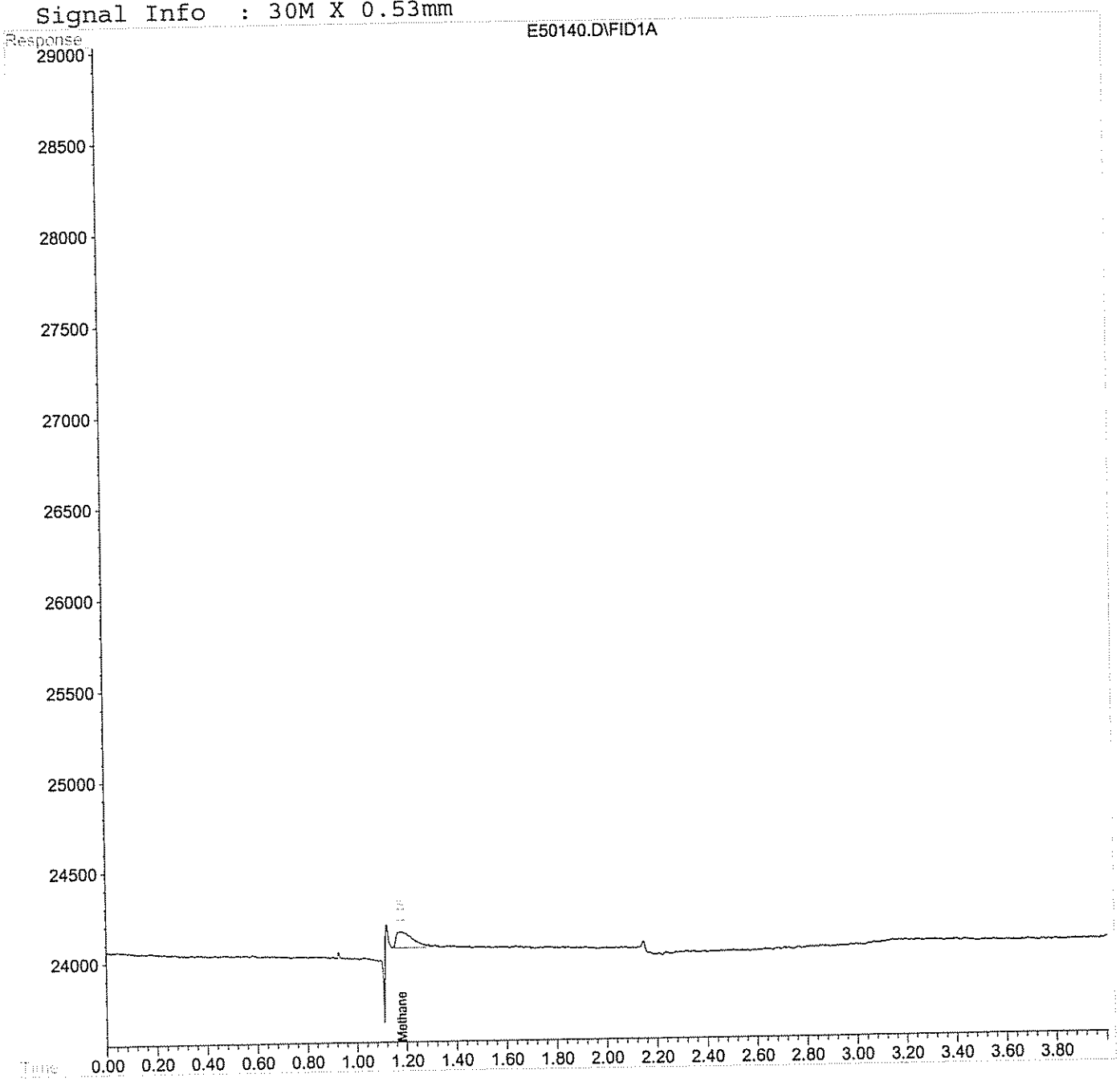
Quantitation Report

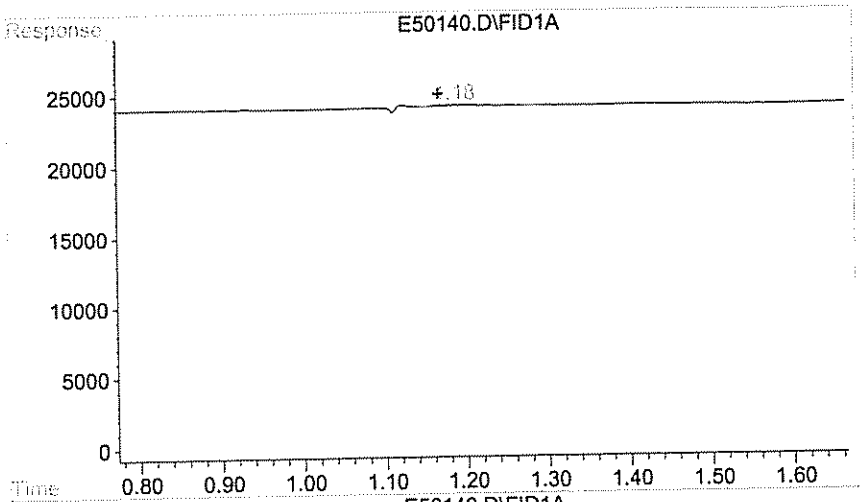
Data File : H:\GCMSDATA\E\052109\E50140.D
Acq On : 21 May 20109 6:1
Sample : 905070-002
Misc : OUI-EB01-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 21 7:45 2009 Quant Results File: RSK0519.RES

Vial: 4
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

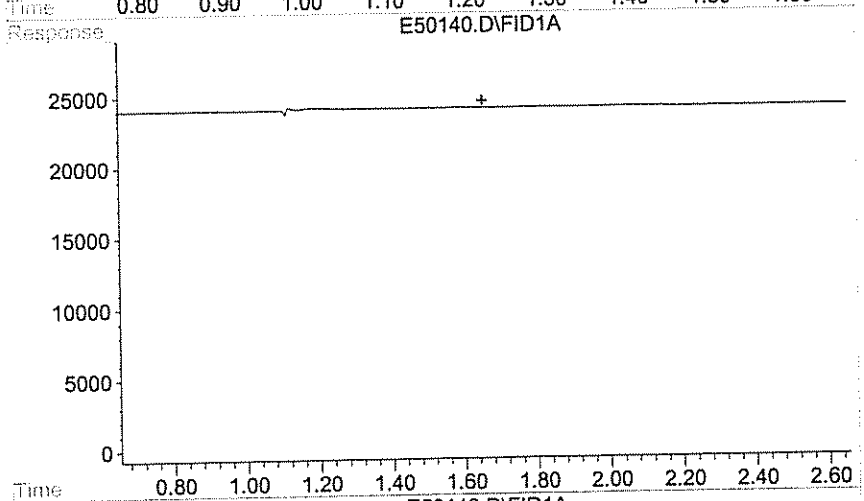
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





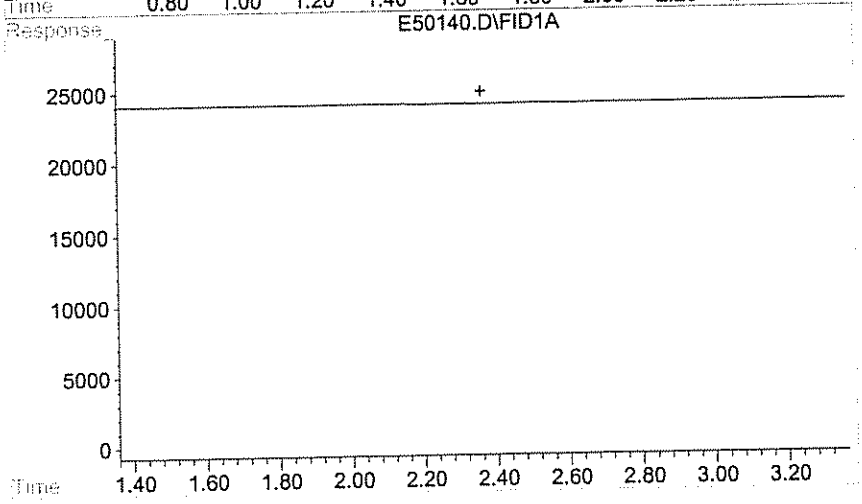
#1 Methane

R.T.: 1.180 min
Delta R.T.: 0.013 min
Response: 406
Conc: 42.63 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 1.653 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.360 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-010-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2.5	J

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50186.D
Acq On : 28 May 20109 121:5
Sample : 905070-002
Misc : OUI-EB01-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 28 14:03 2009 Quant Results File: RSK0528.RES

Vial: 10
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.58	14	2.523	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	
3) T Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

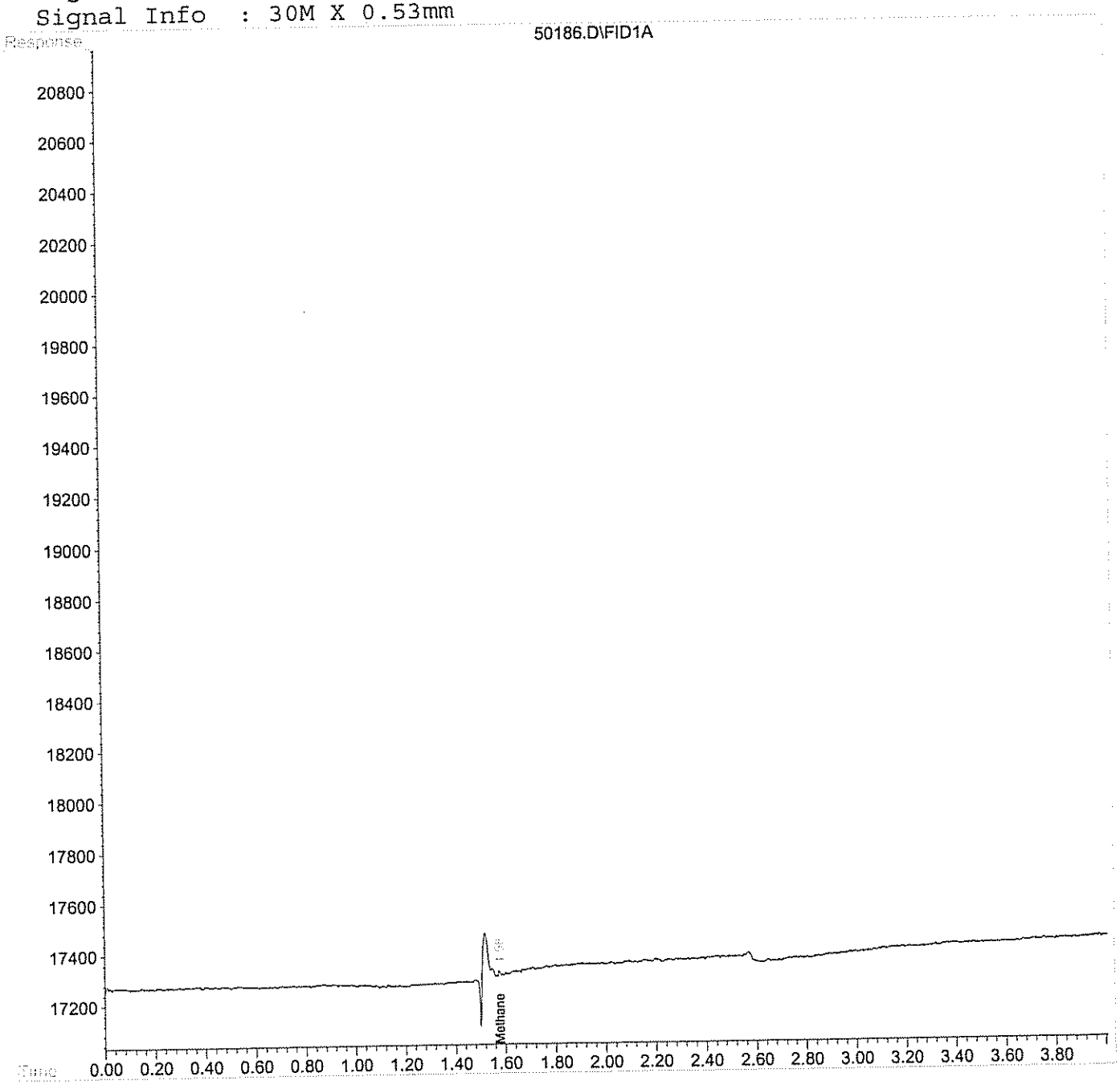
Quantitation Report

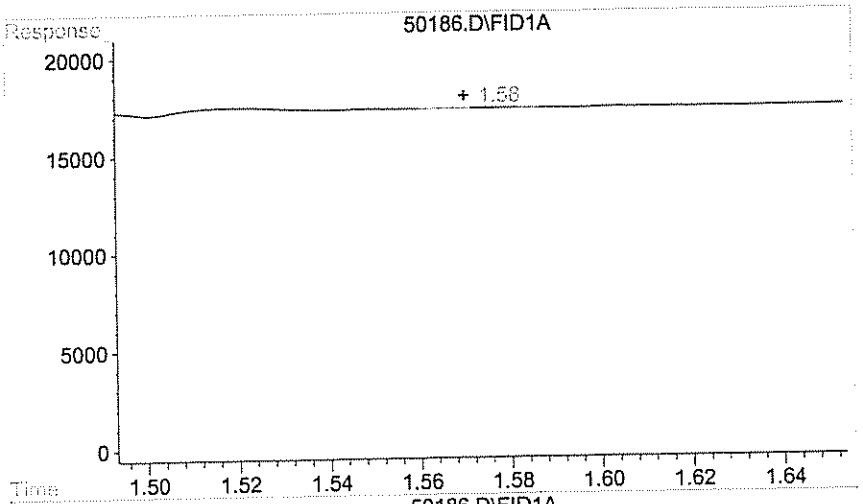
Data File : H:\GCMSDATA\E\052809\50186.D
Acq On : 28 May 20109 121:5
Sample : 905070-002
Misc : OUI-EB01-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 28 14:03 2009 Quant Results File: RSK0528.RES

Vial: 10
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

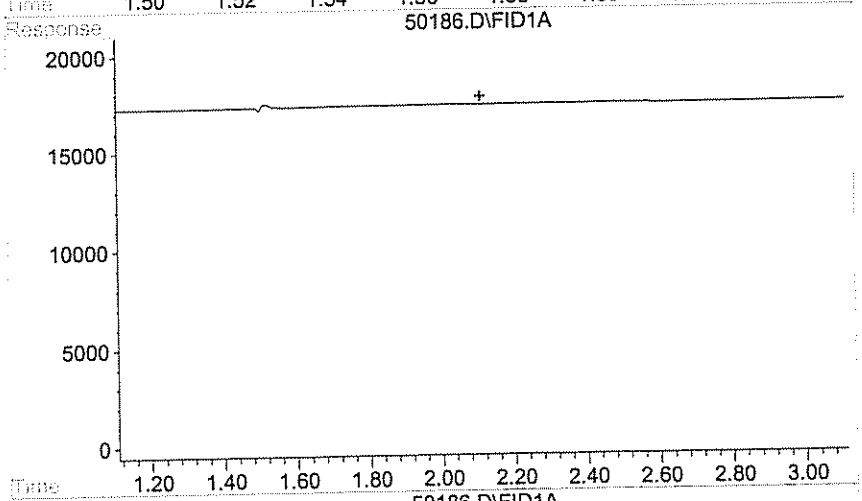
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





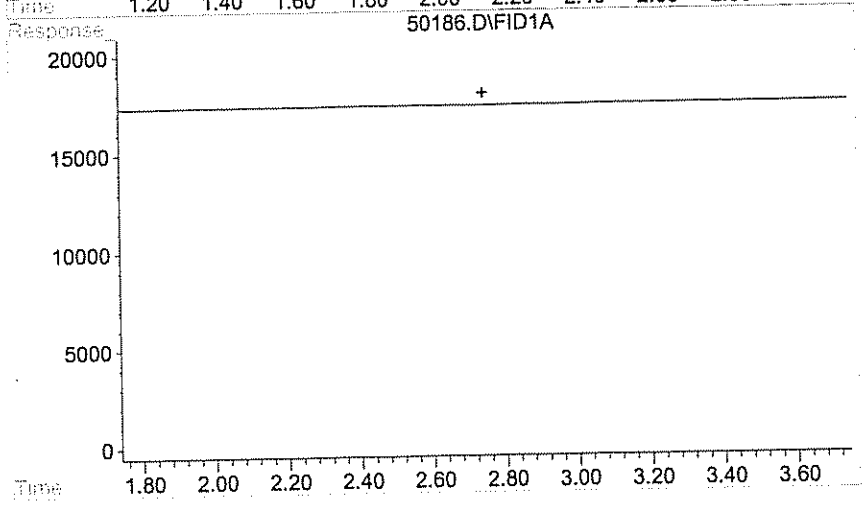
#1 Methane

R.T.: 1.577 min
Delta R.T.: 0.007 min
Response: 14
Conc: 2.52 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 2.110 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.740 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-042-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	370	E

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50141.D
Acq On : 21 May 20109 6:5
Sample : 905070-004
Misc : OUI-16GW50-0509, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 21 7:45 2009 Quant Results File: RSK0519.RES

Vial: 5
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.16	3541	371.770	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	
3) T Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

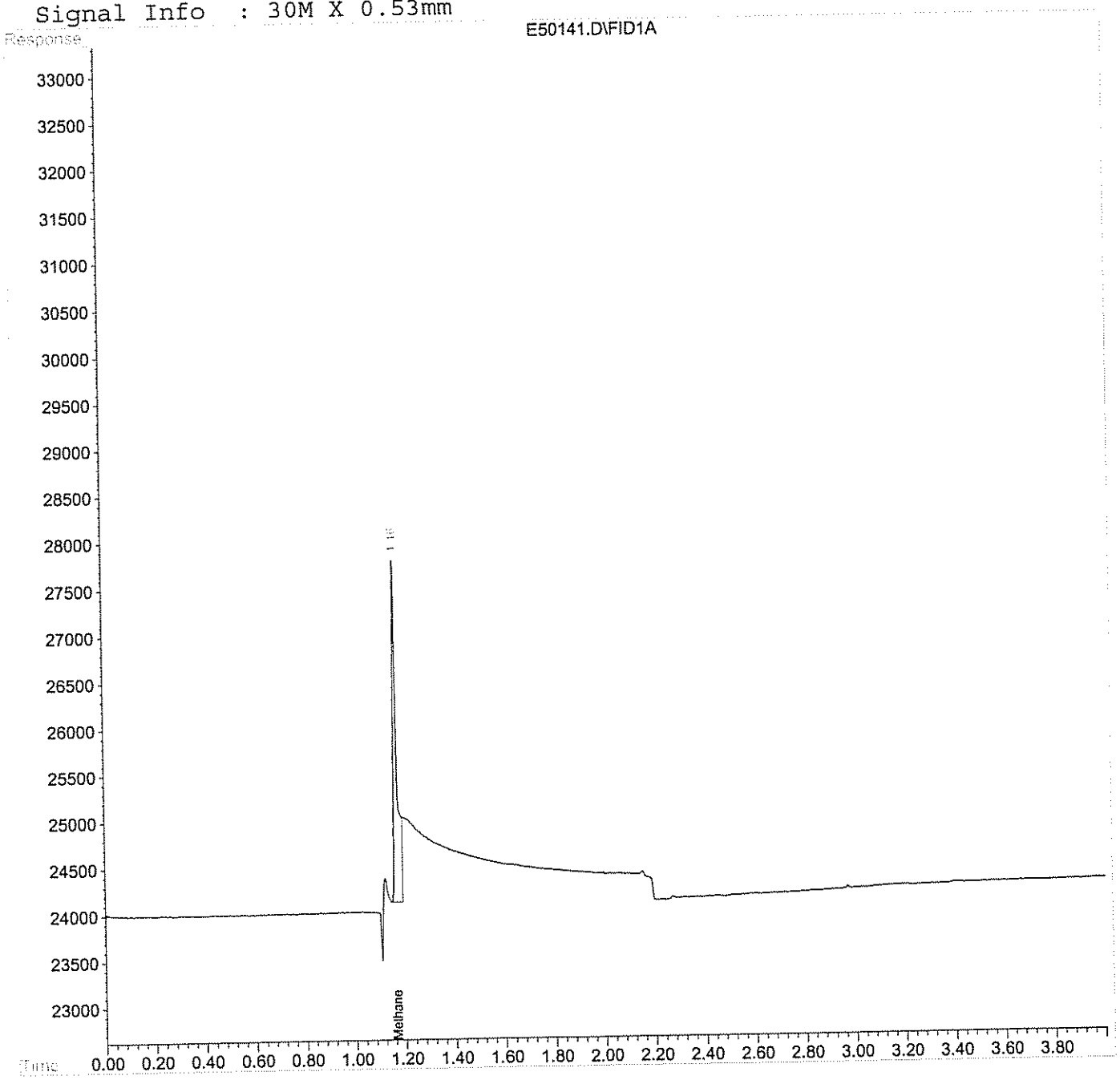
Quantitation Report

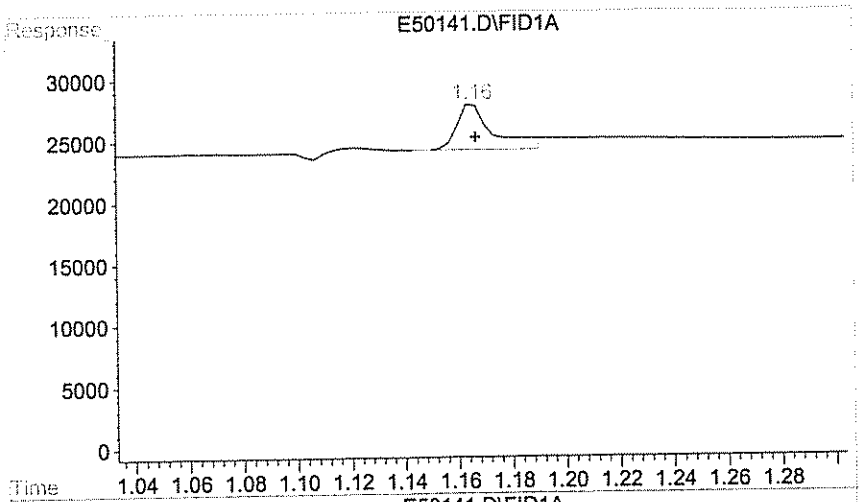
Data File : H:\GCMSDATA\E\052109\E50141.D
Acq On : 21 May 20109 6:5
Sample : 905070-004
Misc : OUI-16GW50-0509, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 21 7:45 2009 Quant Results File: RSK0519.RES

Vial: 5
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

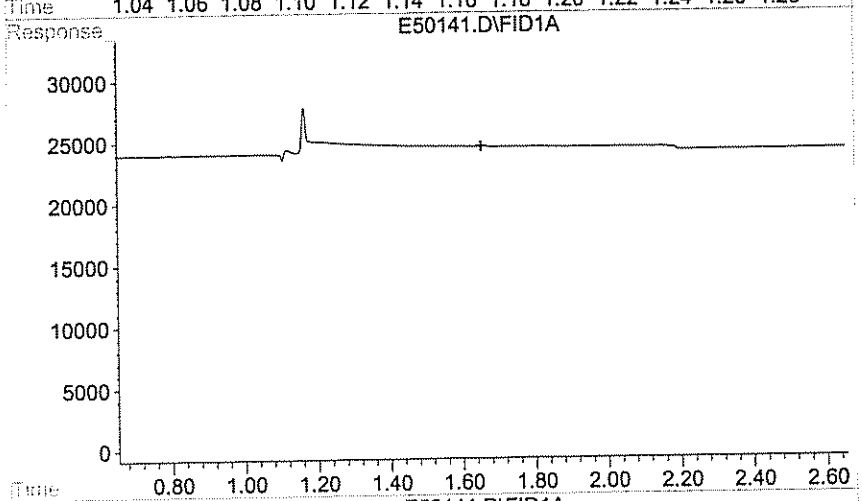
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





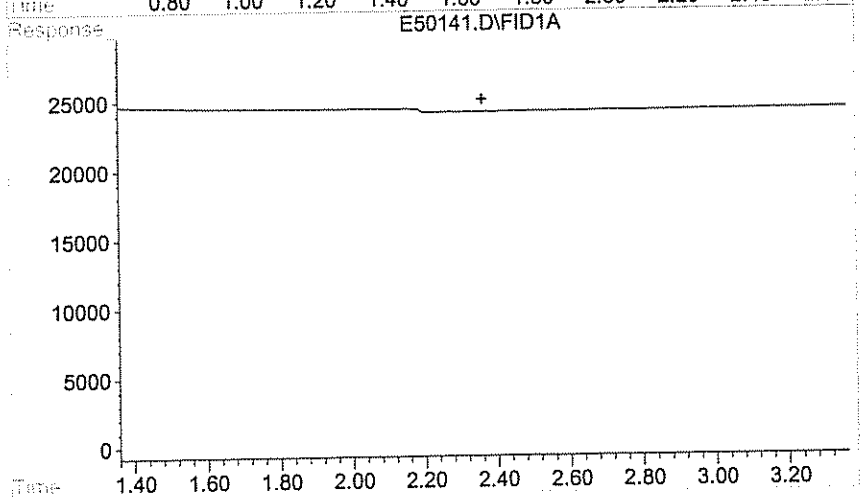
#1 Methane

R.T.: 1.163 min
Delta R.T.: -0.003 min
Response: 3541
Conc: 371.77 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 1.653 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.360 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-043-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	260	E

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50187.D
Acq On : 28 May 20109 122:0
Sample : 905070-004
Misc : OUI-16GW50-0509, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 28 14:14 2009 Quant Results File: RSK0528.RES

Vial: 11
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.59	1444	260.278	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	
3) T Ethylene	0.00	0	N.D.	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

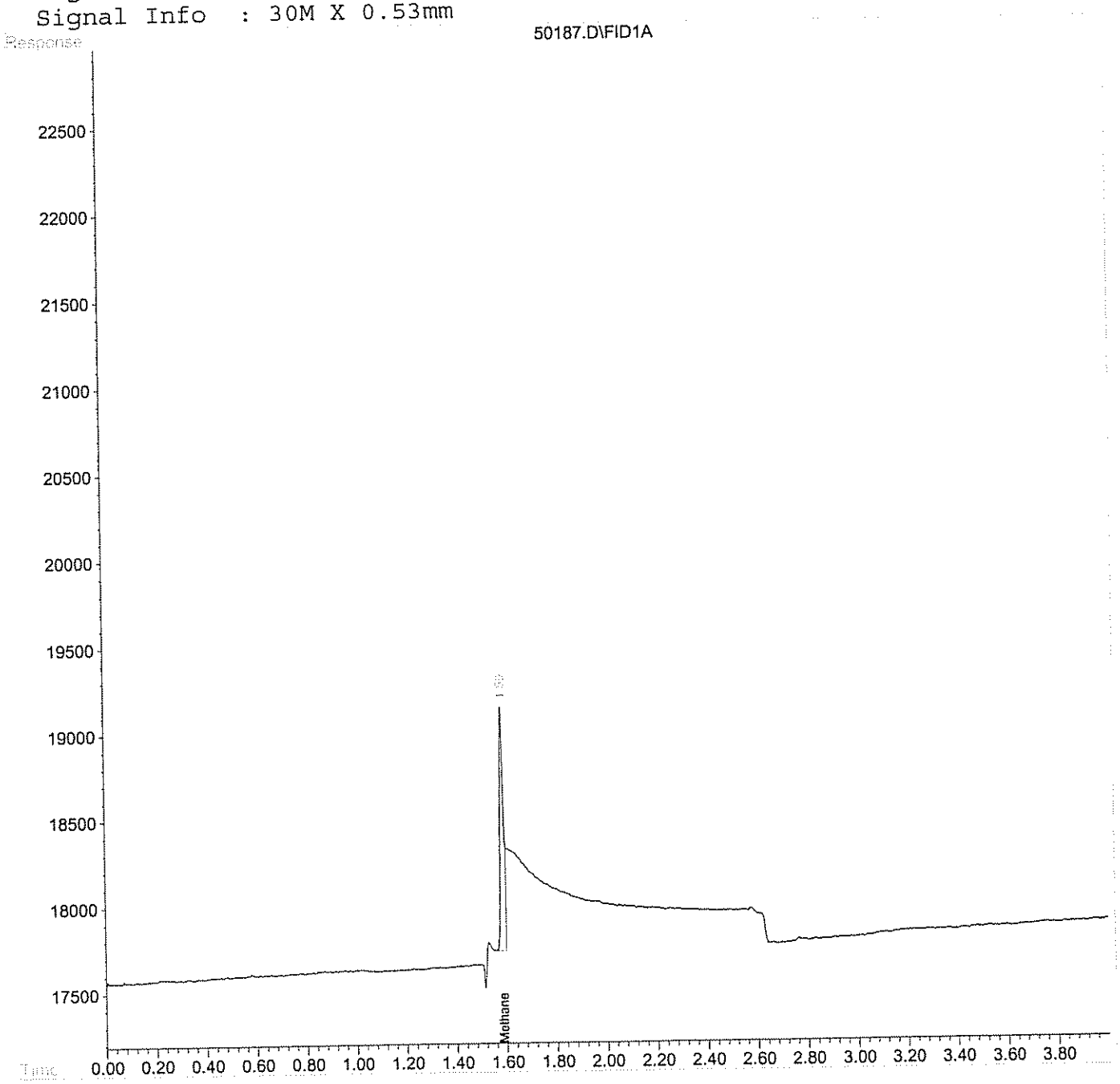
Quantitation Report

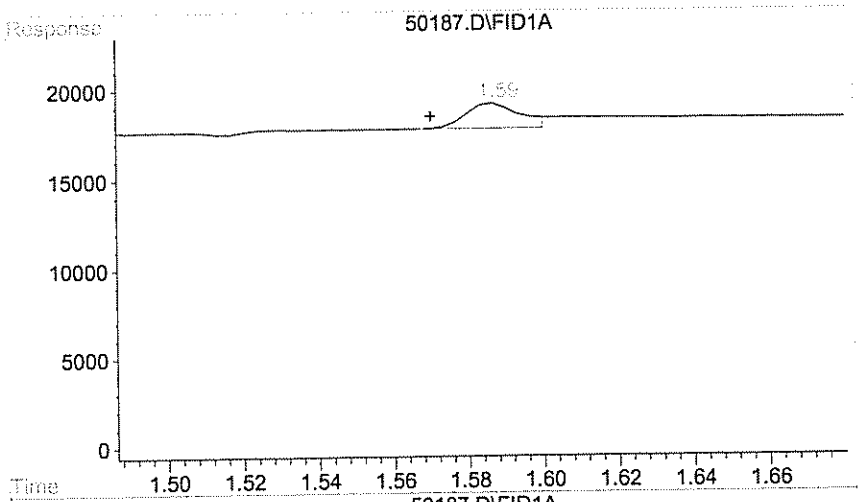
Data File : H:\GCMSDATA\E\052809\50187.D
Acq On : 28 May 20109 122:0
Sample : 905070-004
Misc : OUI-16GW50-0509, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: May 28 14:14 2009 Quant Results File: RSK0528.RES

Vial: 11
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

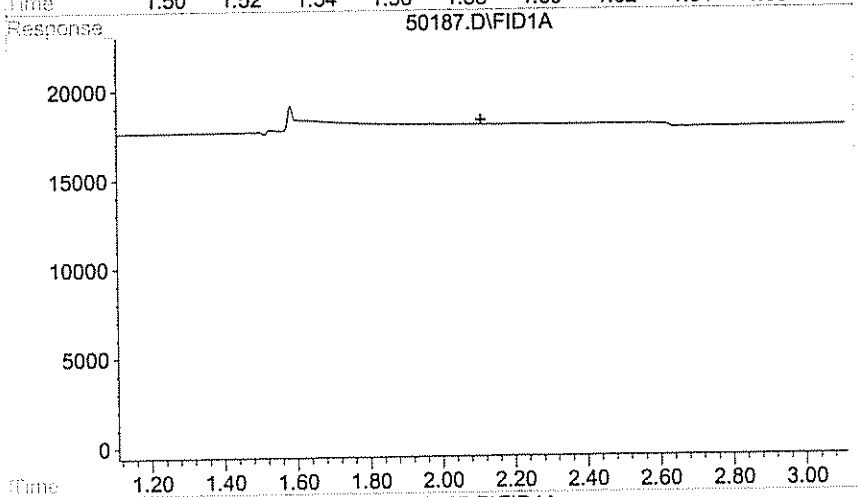
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





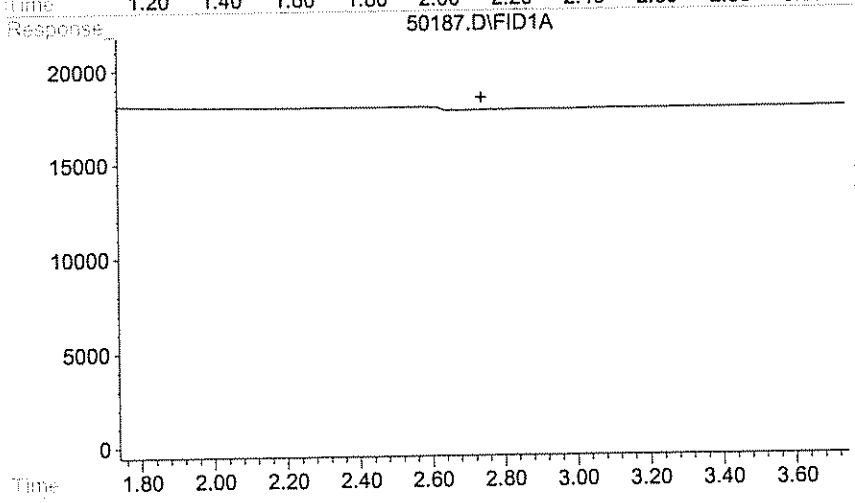
#1 Methane

R.T.: 1.587 min
Delta R.T.: 0.017 min
Response: 1444
Conc: 260.28 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 2.110 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.740 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-043-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	130	U
74-85-1	Ethene	120	U
74-82-8	Methane	220	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50189.D
Acq On : 28 May 20109 122:3
Sample : 905070-004
Misc : OUI-16GW50-0509, CH2M, WATER, 0.5ML
IntFile : rteint.p
Quant Time: May 28 14:36 2009 Quant Results File: RSK0528.RES

Vial: 13
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.59	61	10.995	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	d
3) T Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

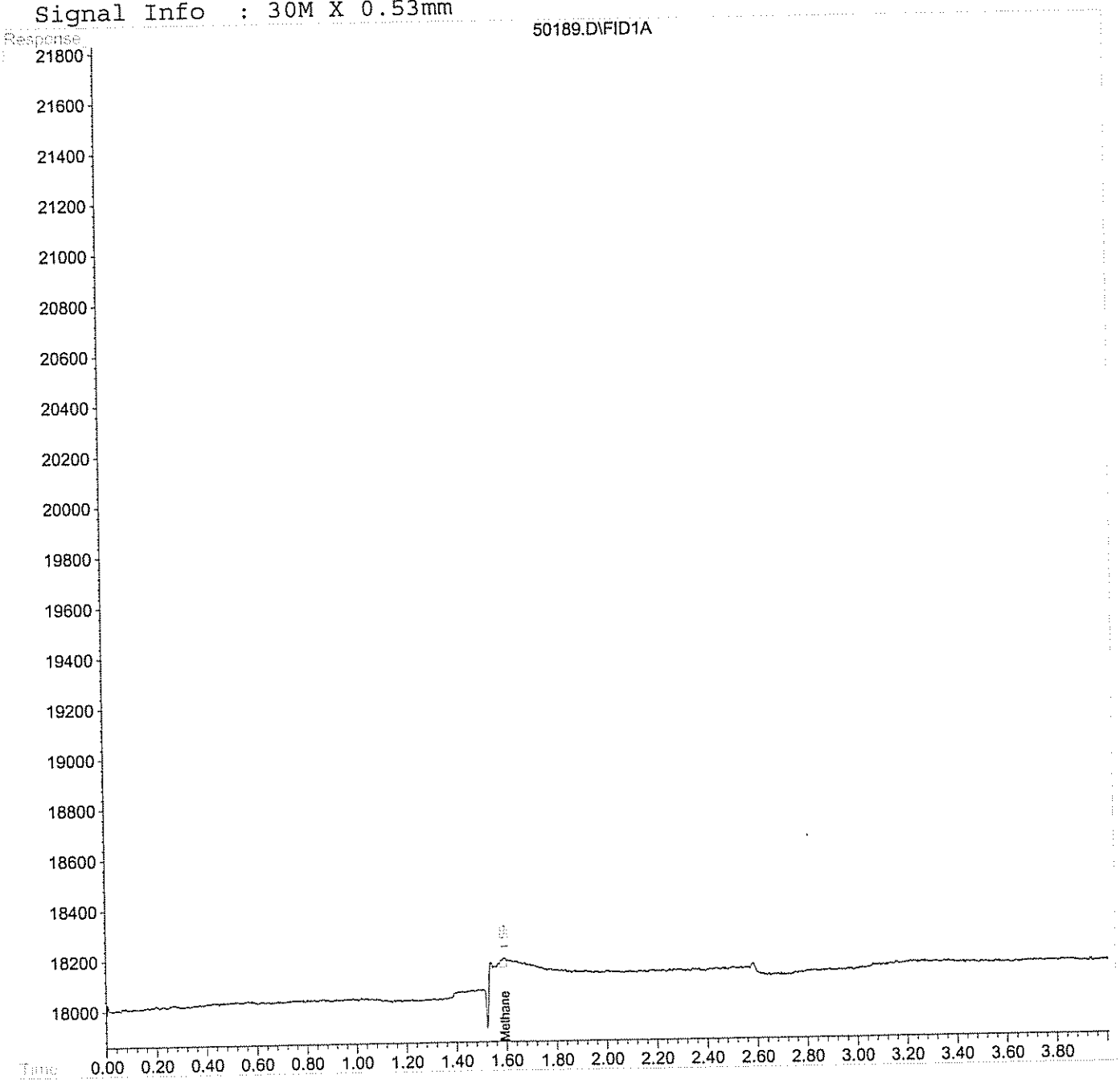
Quantitation Report

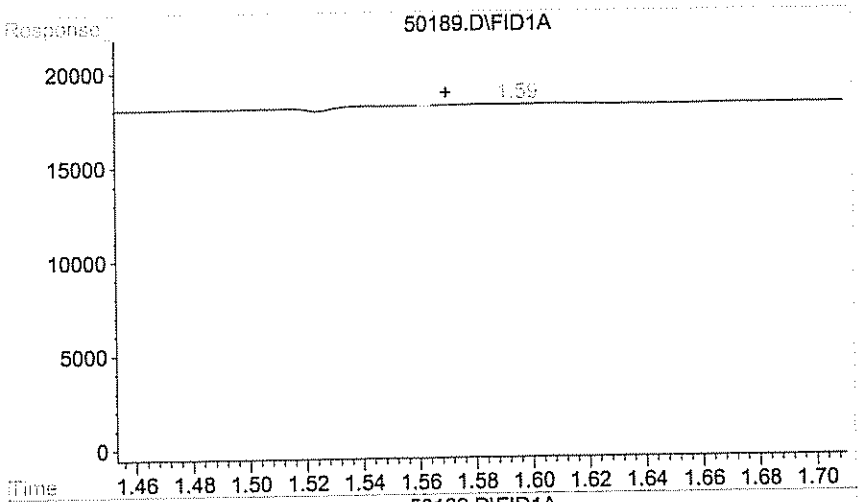
Data File : H:\GCMSDATA\E\052809\50189.D
Acq On : 28 May 20109 122:3
Sample : 905070-004
Misc : OUI-16GW50-0509, CH2M, WATER, 0.5ML
IntFile : rteint.p
Quant Time: May 28 14:36 2009 Quant Results File: RSK0528.RES

Vial: 13
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

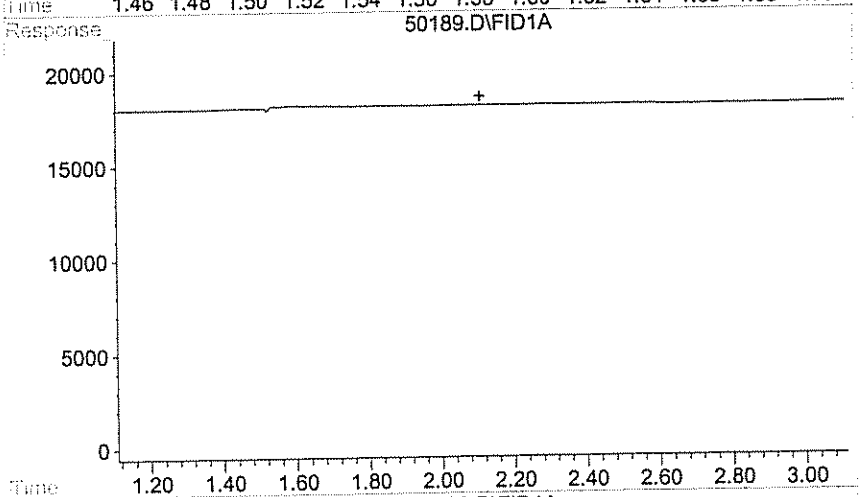
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





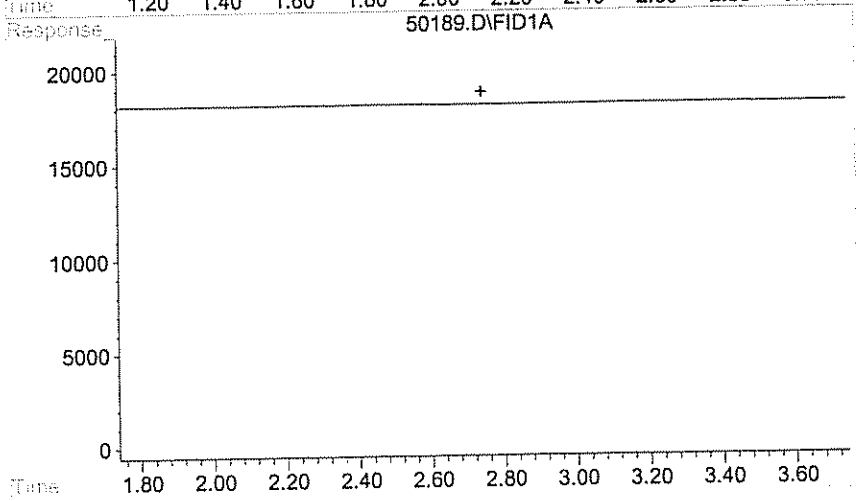
#1 Methane

R.T.: 1.593 min
Delta R.T.: 0.023 min
Response: 61
Conc: 11.00 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 2.110 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.740 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-044-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	34	E

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50142.D
Acq On : 21 May 20109 7:0
Sample : 905070-005
Misc : OUI-EB02-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: Jun 3 7:24 2009 Quant Results File: RSK0519.RES

Vial: 6
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.17	327	34.332 ppb	m
2) T Ethane	0.00	0	N.D. ppb	
3) T Ethylene	0.00	0	N.D. ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

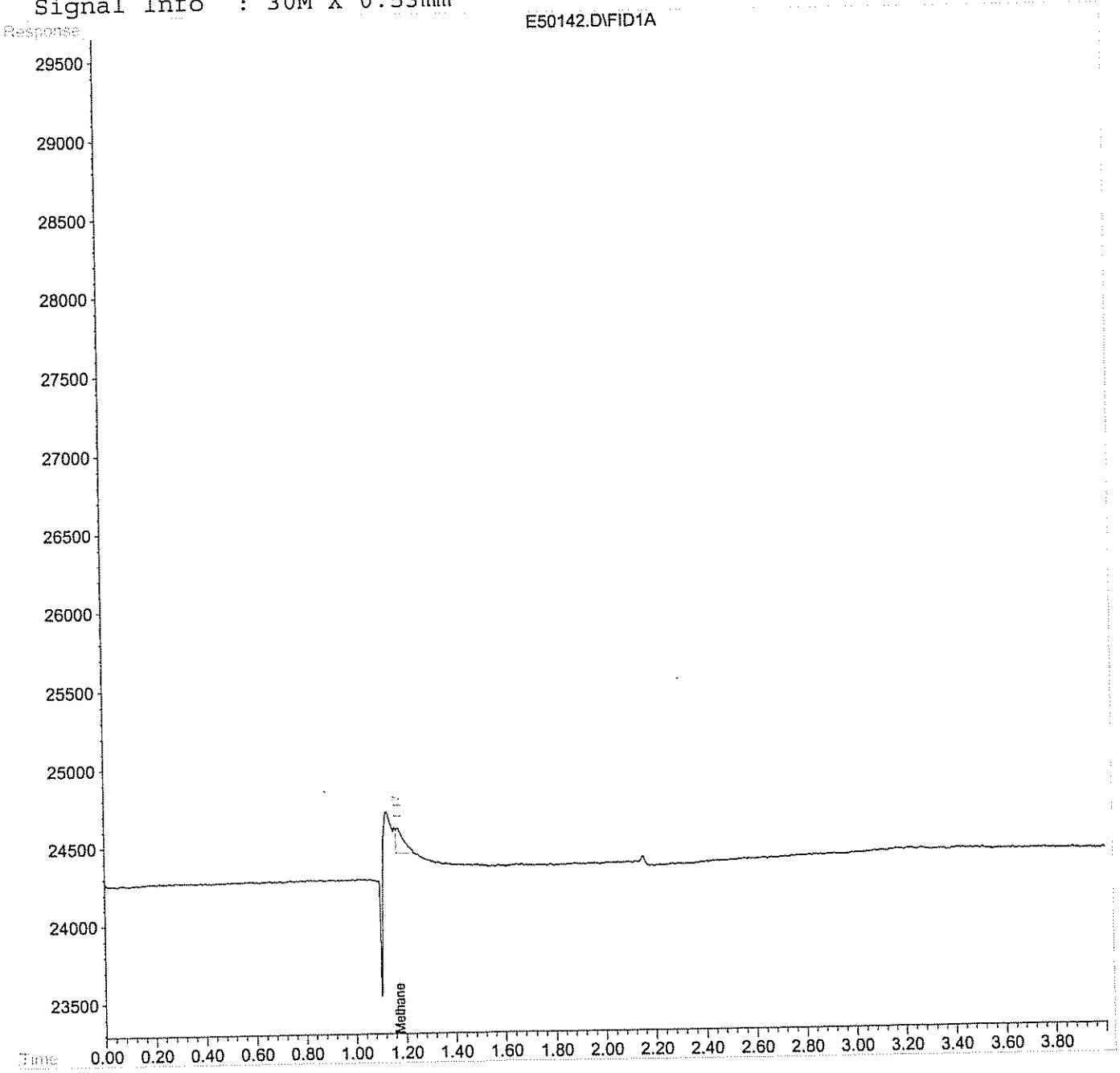
Quantitation Report

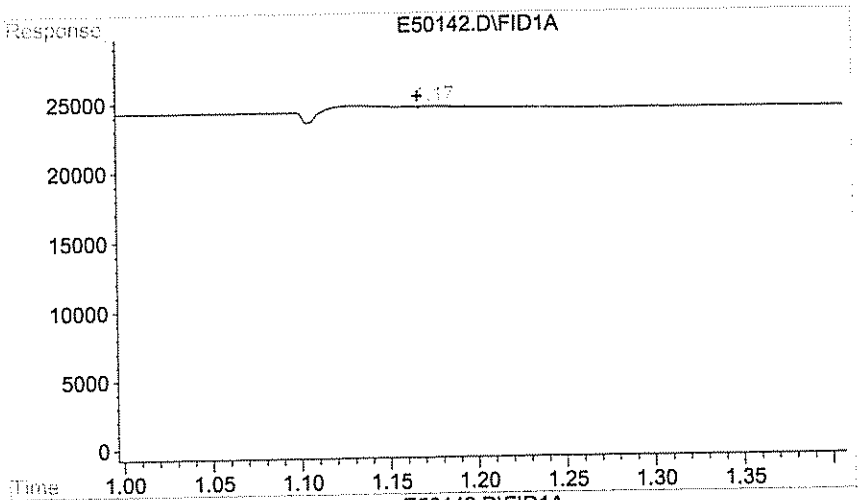
Data File : H:\GCMSDATA\E\052109\E50142.D
Acq On : 21 May 20109 7:0
Sample : 905070-005
Misc : OUI-EB02-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: Jun 3 7:24 2009 Quant Results File: RSK0519.RES

Vial: 6
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

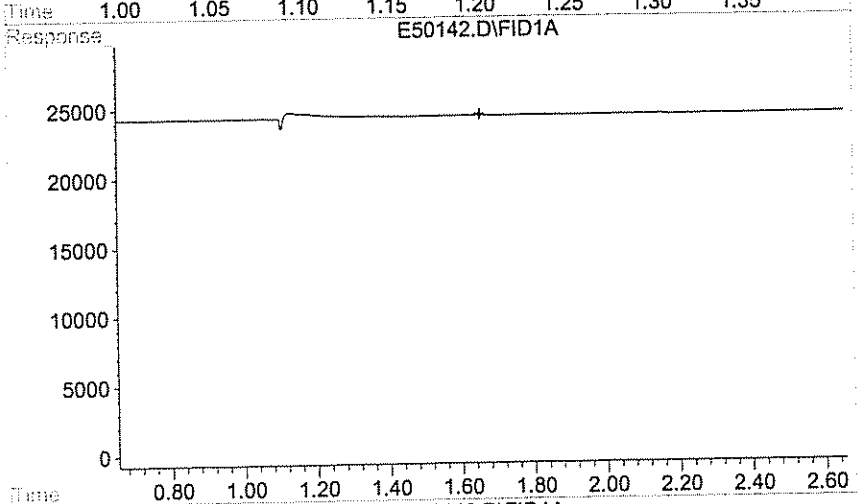
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





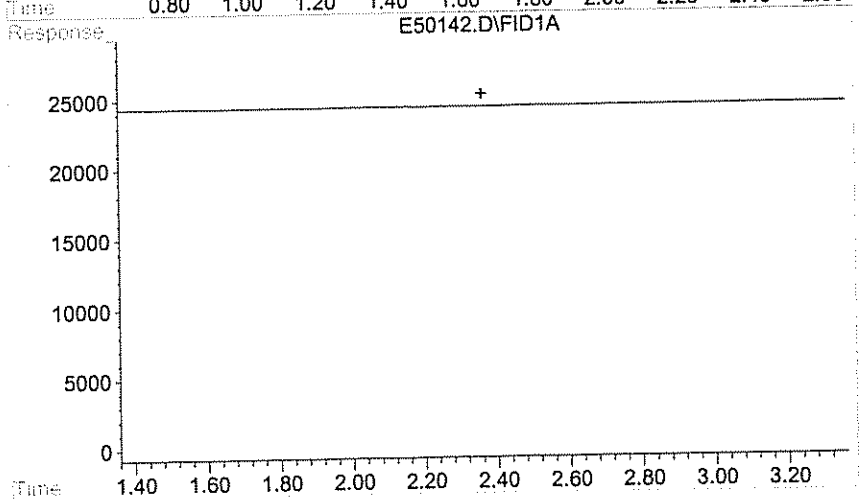
#1 Methane

R.T.: 1.173 min
Delta R.T.: 0.007 min
Response: 327
Conc: 34.33 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 1.653 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.360 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-045-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	14	

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50188.D
Acq On : 28 May 20109 122:1
Sample : 905070-005
Misc : OUI-EB02-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: Jun 3 10:07 2009 Quant Results File: RSK0528.RES

Vial: 12
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.58	75	13.519	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	d
3) T Ethylene	0.00	0	N.D.	ppb	d

(f)=RT Delta > 1/2 Window (m)=manual int.

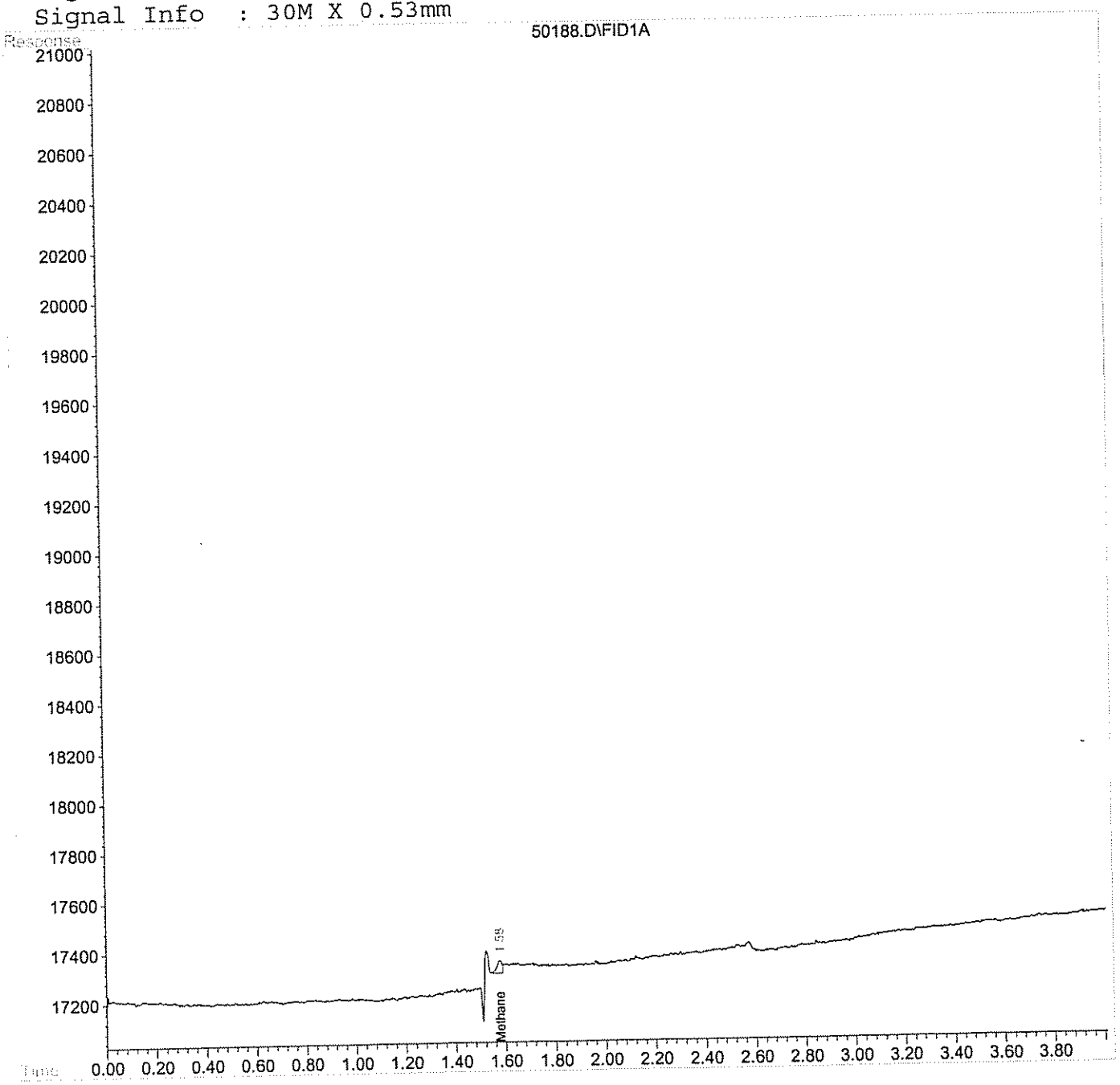
Quantitation Report

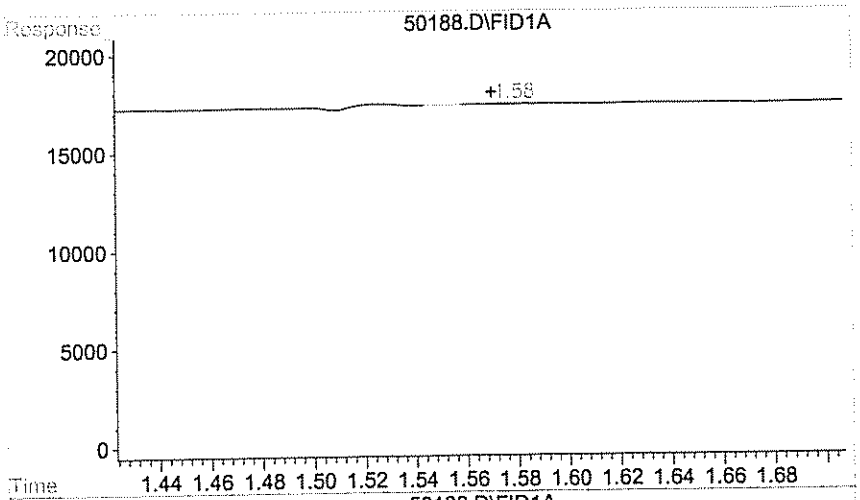
Data File : H:\GCMSDATA\E\052809\50188.D
Acq On : 28 May 20109 122:1
Sample : 905070-005
Misc : OUI-EB02-050709, CH2M, WATER, 10ML
IntFile : rteint.p
Quant Time: Jun 3 10:07 2009 Quant Results File: RSK0528.RES

Vial: 12
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

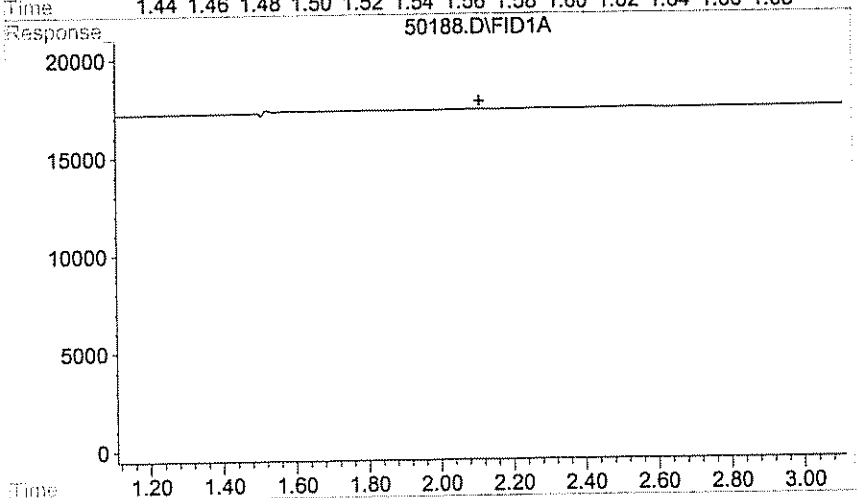
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





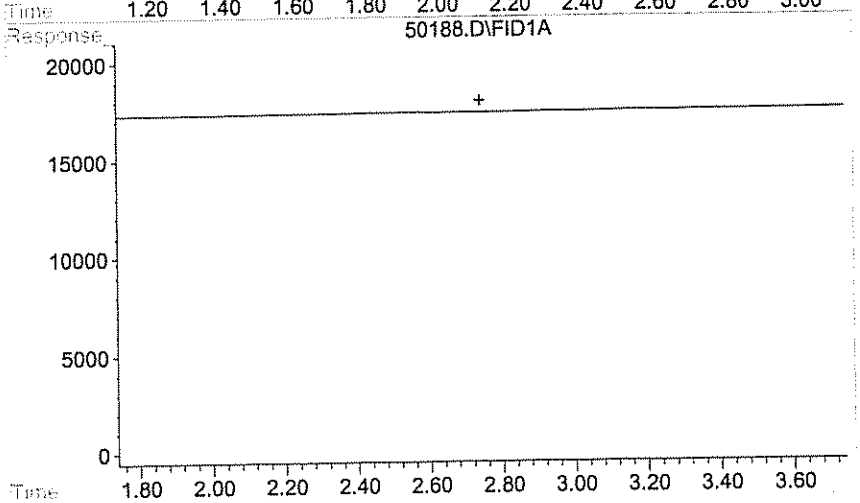
#1 Methane

R.T.: 1.577 min
Delta R.T.: 0.007 min
Response: 75
Conc: 13.52 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 2.110 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.740 min
Response: 0
Conc: N.D.

C. Standards Data

1. Initial Calibration Data

2. Continuing Calibration Data

GPL Laboratories

Response Factor Report FID

Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009

Calibration Files
1 =E50089.D 2 =E50090.D 10 =E50093.D
5 =E50092.D 4 =E50091.D =

	Compound	1	2	10	5	4	Avg	%RSD
1) T	Methane	1.381	0.970	0.682	0.880	0.850	0.952 E1	27.45
2) T	Ethane	0.817	1.280	1.139	1.340	1.390	1.193 E1	19.28
3) T	Ethylene	1.134	1.147	0.962	1.148	0.781	1.034 E1	15.64

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\051909\E50089.D
Acq On : 19 May 20109 9:4
Sample : CAL1
Misc : CAL1
IntFile : rteint.p
Quant Time: May 28 15:49 2009 Quant Results File: RSK0519.RES

Vial: 1
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units
Target Compounds			
1) T Methane	1.15	34	3.919 ppb m
2) T Ethane	1.63	55	4.105 ppb m
3) T Ethylene	2.34	65	17.844 ppb m

(f)=RT Delta > 1/2 Window (m)=manually int

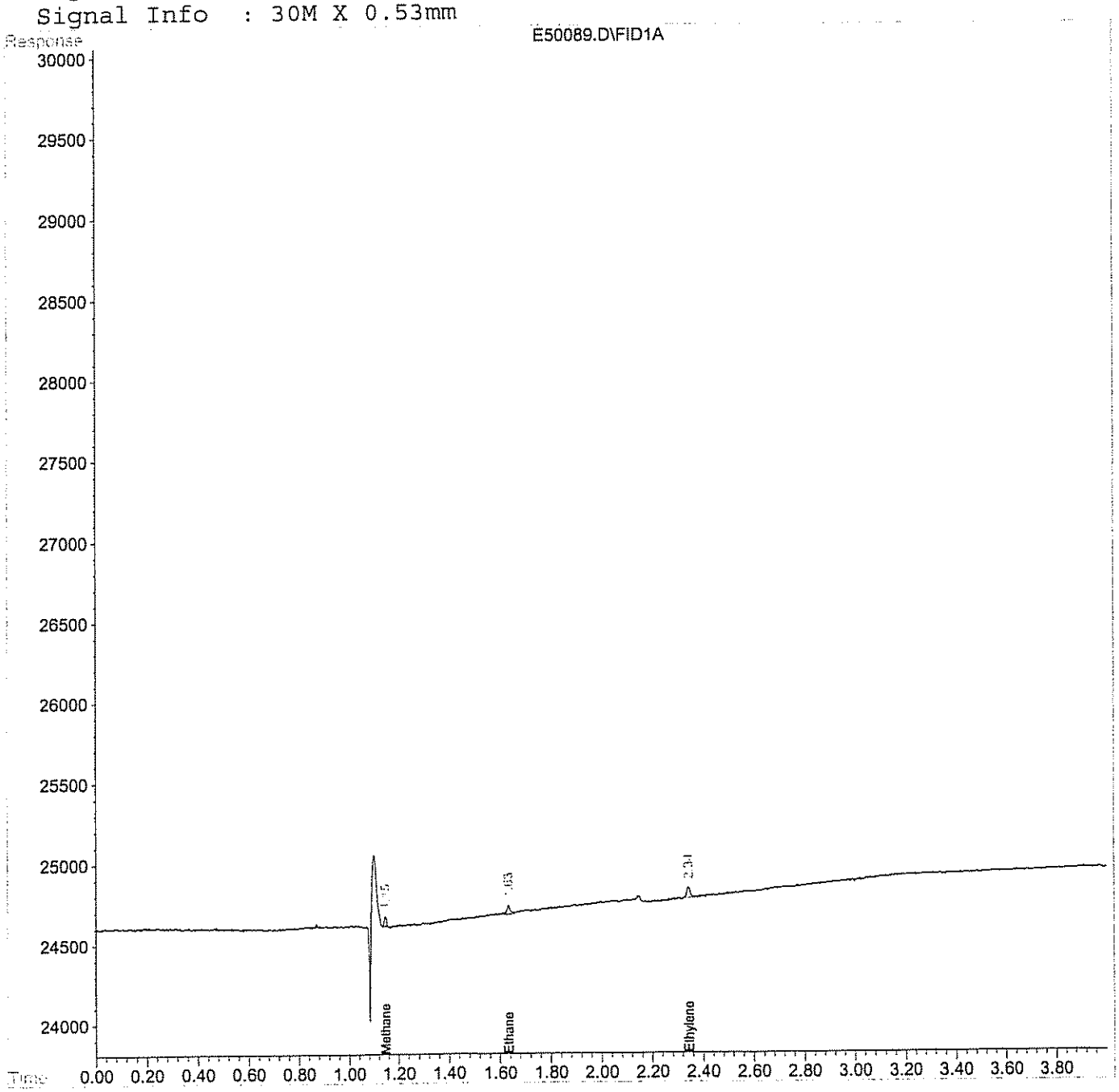
Quantitation Report

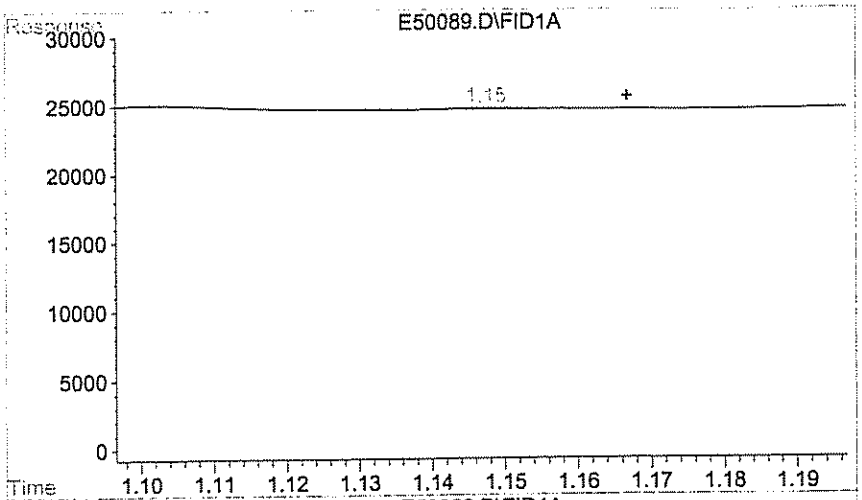
Data File : H:\GCMSDATA\E\051909\E50089.D
Acq On : 19 May 20109 9:4
Sample : CAL1
Misc : CAL1
IntFile : rteint.p
Quant Time: May 28 15:49 2009 Quant Results File: RSK0519.RES

Vial: 1
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

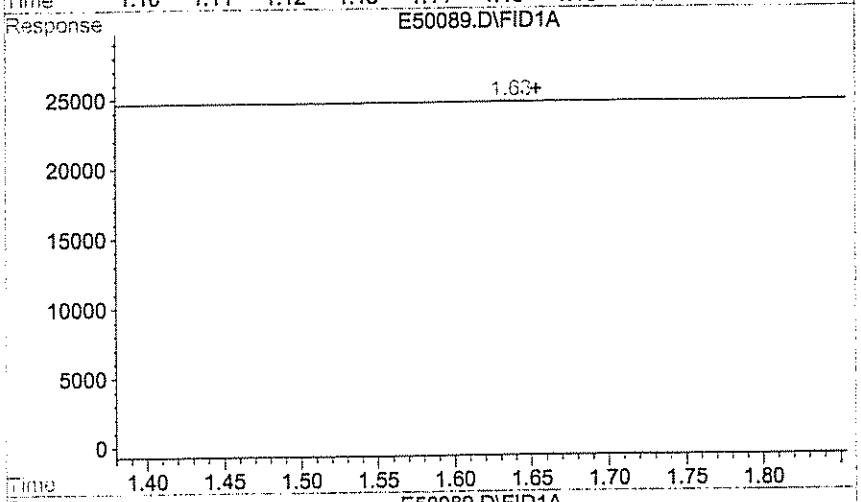
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





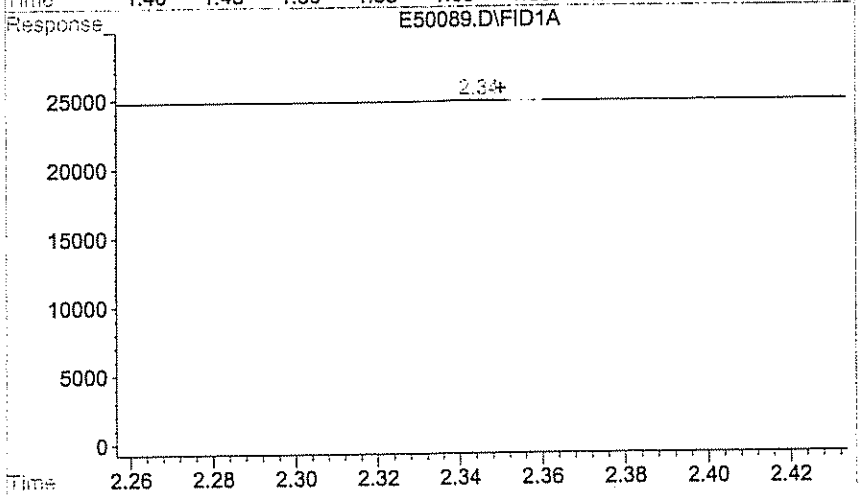
#1 Methane

R.T.: 1.147 min
Delta R.T.: -0.020 min
Response: 34
Conc: 3.92 ppb m



#2 Ethane

R.T.: 1.633 min
Delta R.T.: -0.020 min
Response: 55
Conc: 4.11 ppb m



#3 Ethylene

R.T.: 2.343 min
Delta R.T.: -0.007 min
Response: 65
Conc: 17.84 ppb m

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\051909\E50090.D
Acq On : 19 May 20109 9:5
Sample : CAL2
Misc : CAL2
IntFile : rteint.p
Quant Time: May 28 15:03 2009 Quant Results File: RSK0519.RES

Vial: 2
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units
Target Compounds			
1) T Methane	1.13	60	6.917 ppb m
2) T Ethane	1.62	160	11.943 ppb
3) T Ethylene	2.33	133	36.512 ppb

(f)=RT Delta > 1/2 Window
(m)=manual int

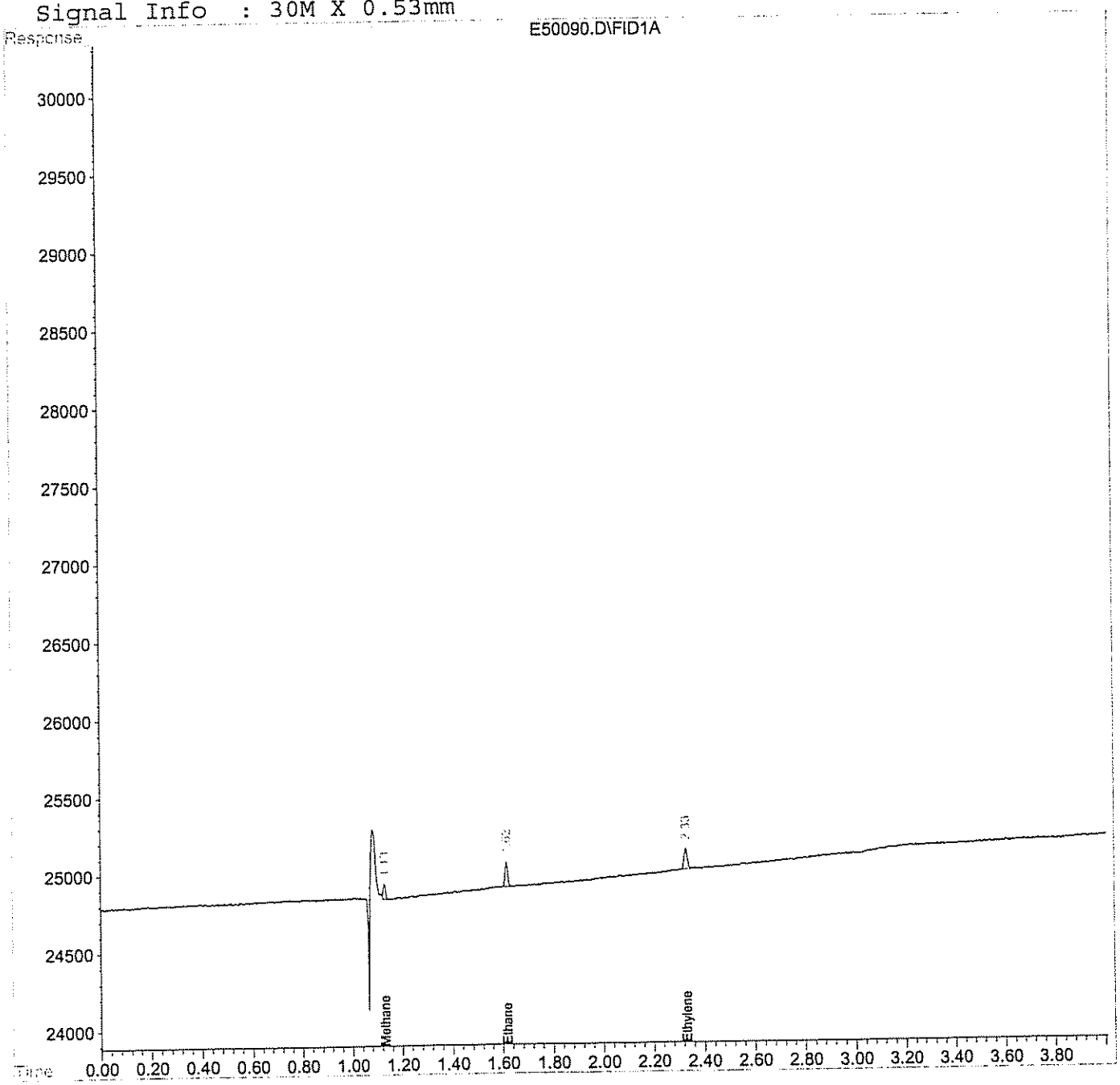
Quantitation Report

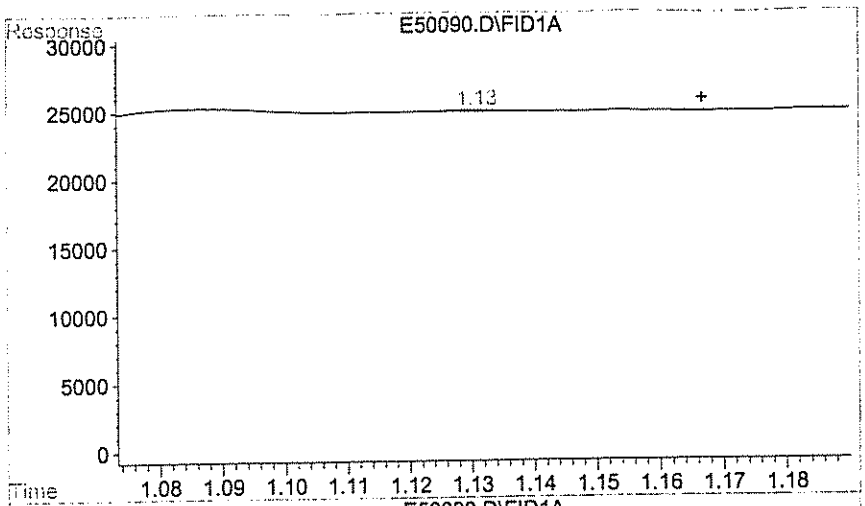
Data File : H:\GCMSDATA\E\051909\E50090.D
Acq On : 19 May 20109 9:5
Sample : CAL2
Misc : CAL2
IntFile : rteint.p
Quant Time: May 28 15:03 2009 Quant Results File: RSK0519.RES

Vial: 2
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

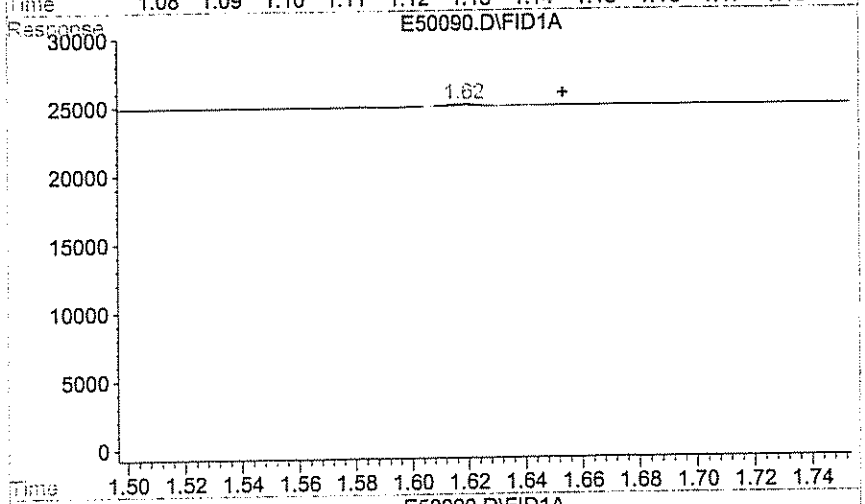
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





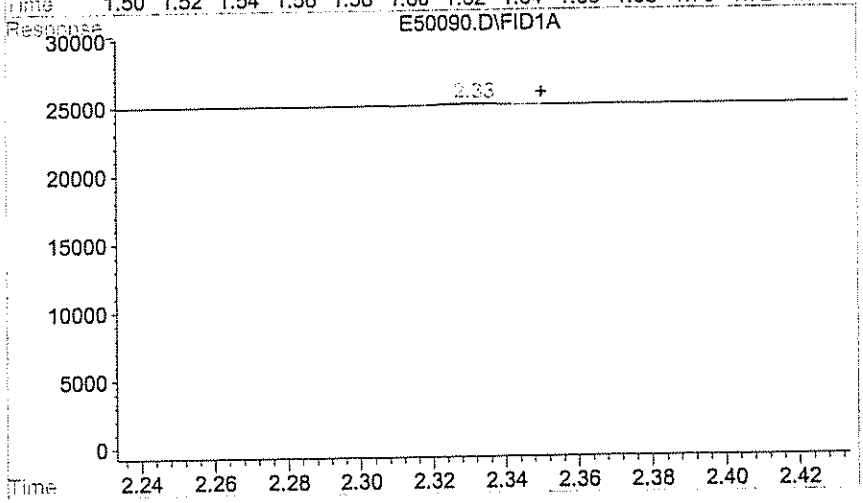
#1 Methane

R.T.: 1.130 min
Delta R.T.: -0.037 min
Response: 60
Conc: 6.92 ppb m



#2 Ethane

R.T.: 1.617 min
Delta R.T.: -0.037 min
Response: 160
Conc: 11.94 ppb



#3 Ethylene

R.T.: 2.330 min
Delta R.T.: -0.020 min
Response: 133
Conc: 36.51 ppb

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\051909\E50091.D
Acq On : 19 May 20109 10:0
Sample : CAL4
Misc : CAL4
IntFile : rteint.p
Quant Time: May 28 15:09 2009 Quant Results File: RSK0519.RES

Vial: 3
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units
Target Compounds			
1) T Methane	1.17	113	13.026 ppb m
2) T Ethane	1.66	346	25.826 ppb
3) T Ethylene	2.36	192	52.709 ppb m

(f)=RT Delta > 1/2 Window (m)=manual int.

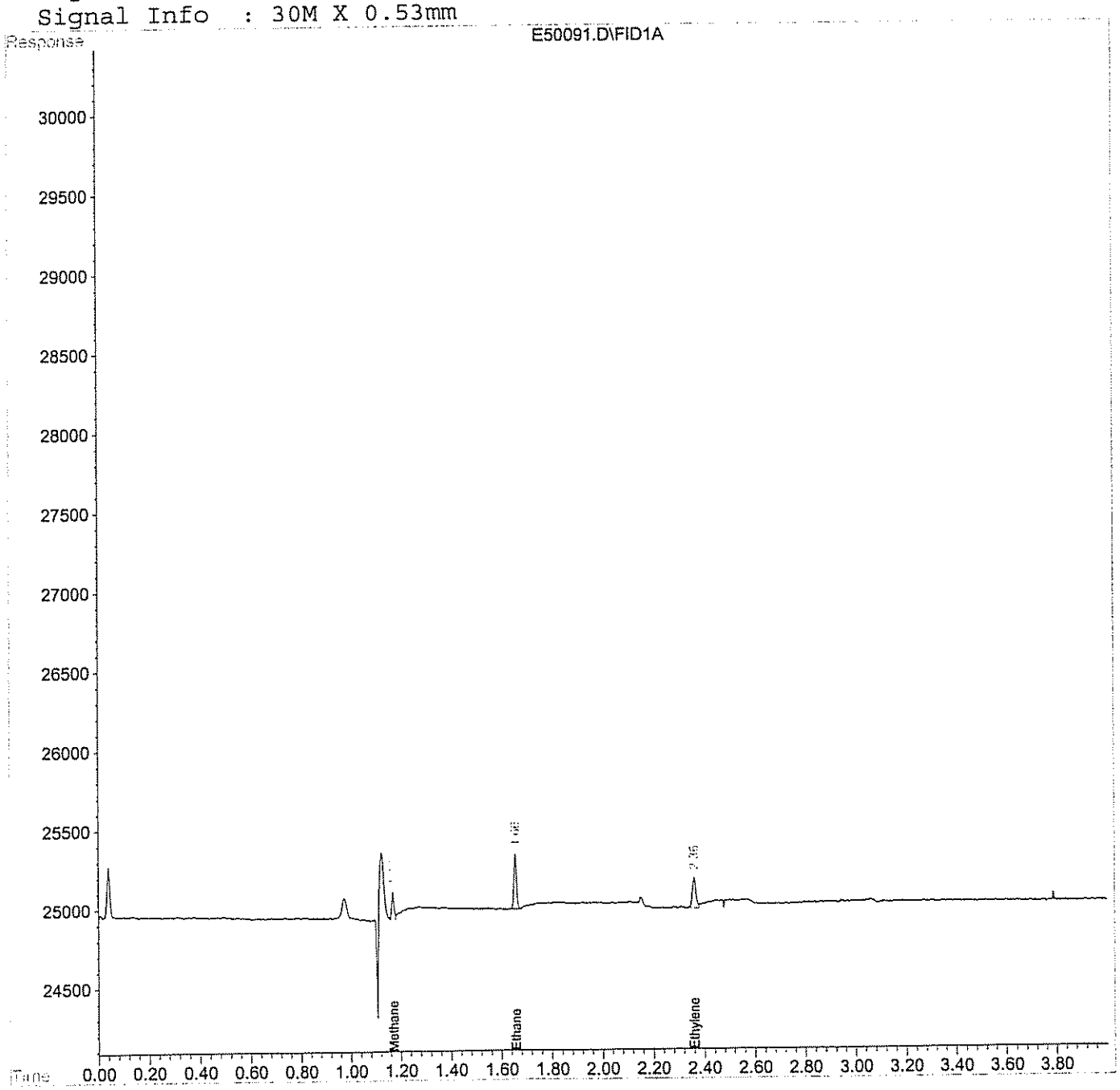
Quantitation Report

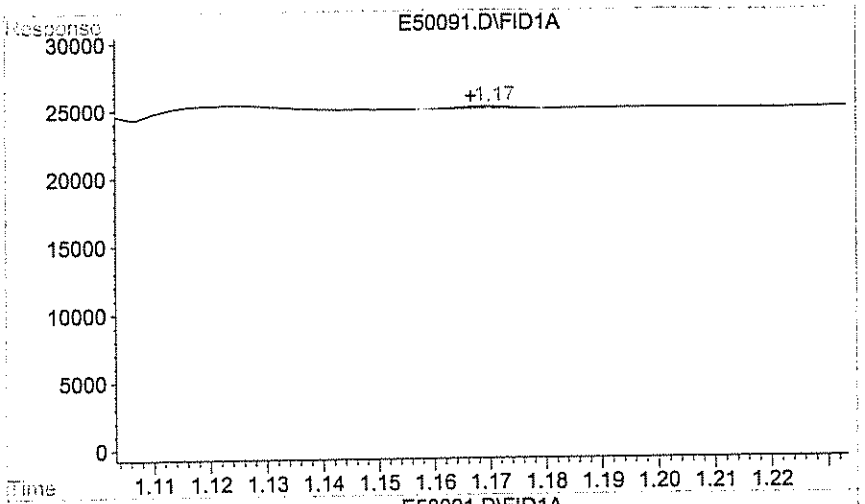
Data File : H:\GCMSDATA\E\051909\E50091.D
Acq On : 19 May 20109 10:0
Sample : CAL4
Misc : CAL4
IntFile : rteint.p
Quant Time: May 28 15:09 2009 Quant Results File: RSK0519.RES

Vial: 3
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

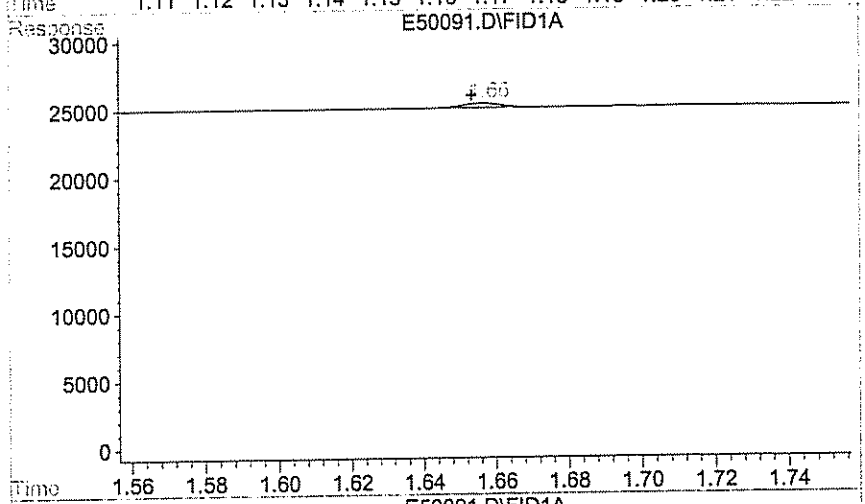
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





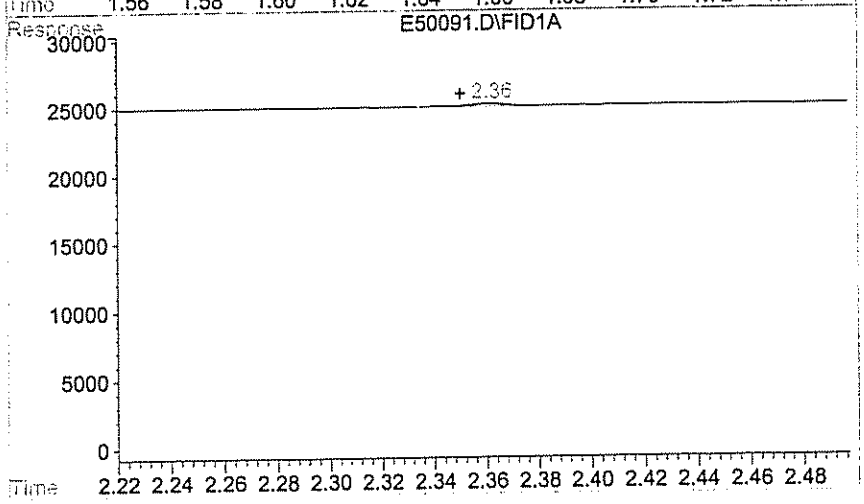
#1 Methane

R.T.: 1.170 min
Delta R.T.: 0.003 min
Response: 113
Conc: 13.03 ppb m



#2 Ethane

R.T.: 1.657 min
Delta R.T.: 0.003 min
Response: 346
Conc: 25.83 ppb



#3 Ethylene

R.T.: 2.360 min
Delta R.T.: 0.010 min
Response: 192
Conc: 52.71 ppb m

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\051909\E50092.D
Acq On : 19 May 20109 10:1
Sample : CAL5
Misc : CAL5
IntFile : rteint.p
Quant Time: May 19 10:44 2009 Quant Results File: RSK0519.RES

Vial: 4
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.17	146	16.831 ppb	m
2) T Ethane	1.65	418	31.200 ppb	
3) T Ethylene	2.36	334	91.692 ppb	

(f)=RT Delta > 1/2 Window (m)=manual int

E50092.D RSK0519.M Mon Jun 01 14:34:38 2009 Page 1

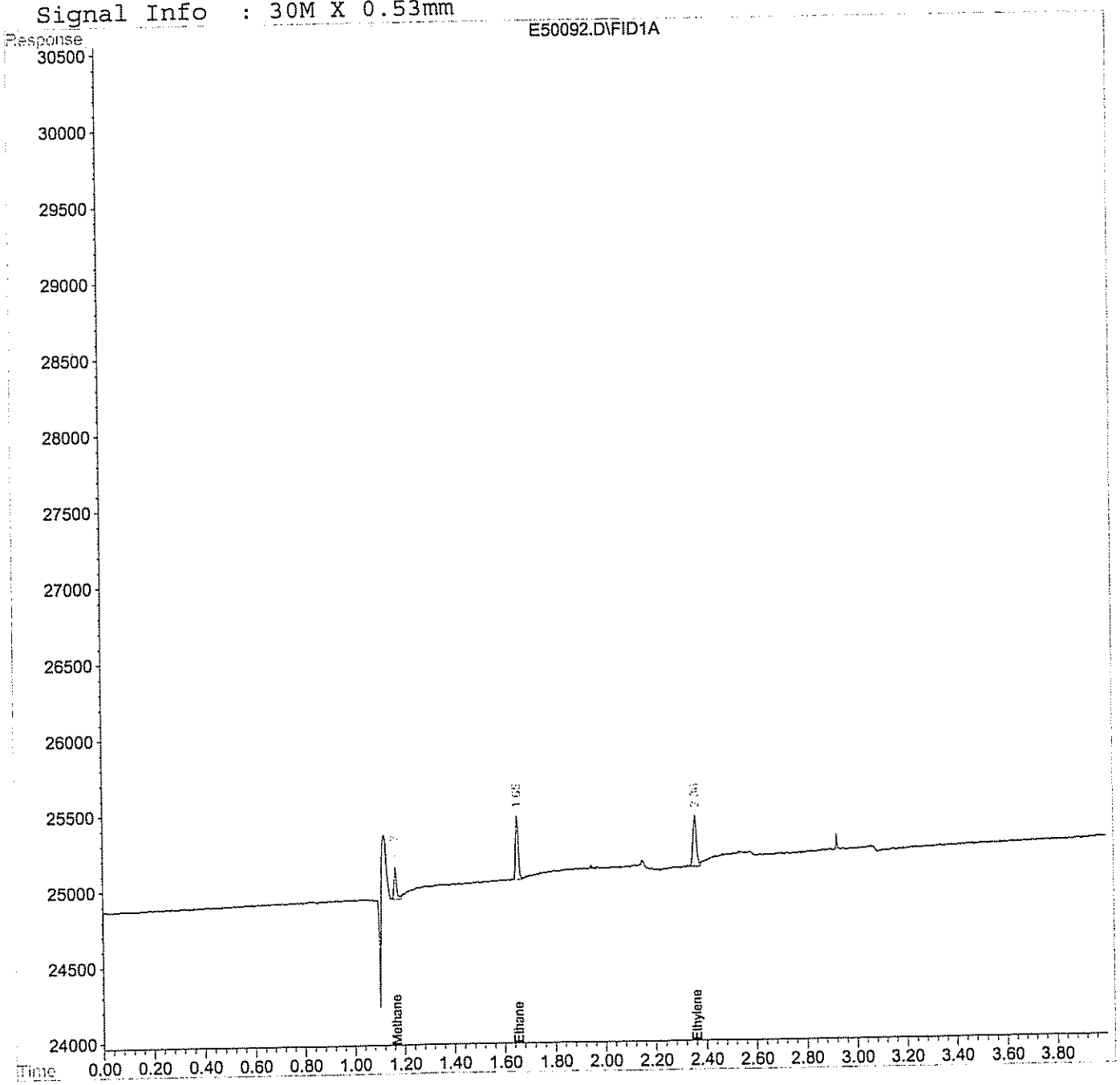
Quantitation Report

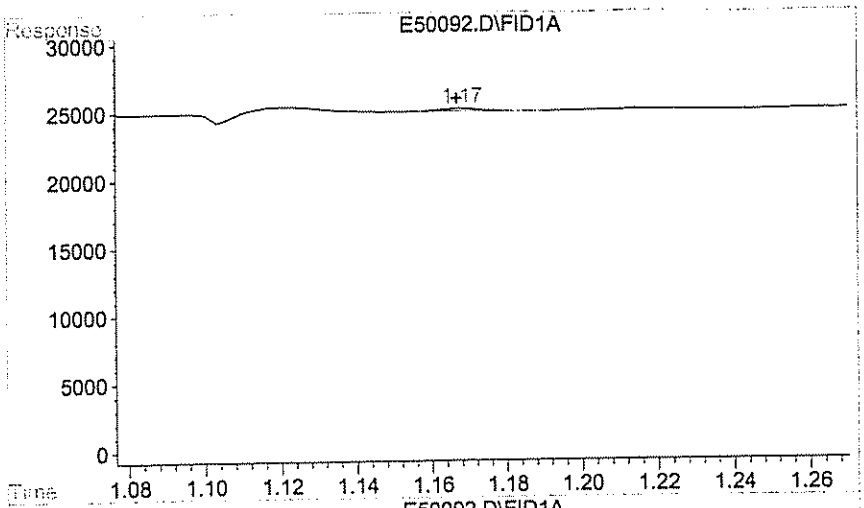
Data File : H:\GCMSDATA\E\051909\E50092.D
Acq On : 19 May 20109 10:1
Sample : CAL5
Misc : CAL5
IntFile : rteint.p
Quant Time: May 19 10:44 2009 Quant Results File: RSK0519.RES

Vial: 4
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 13 10:21:32 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

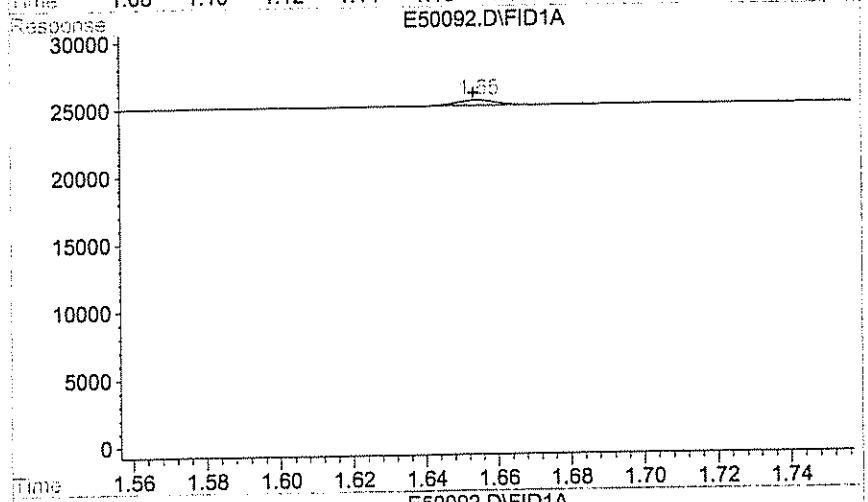
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





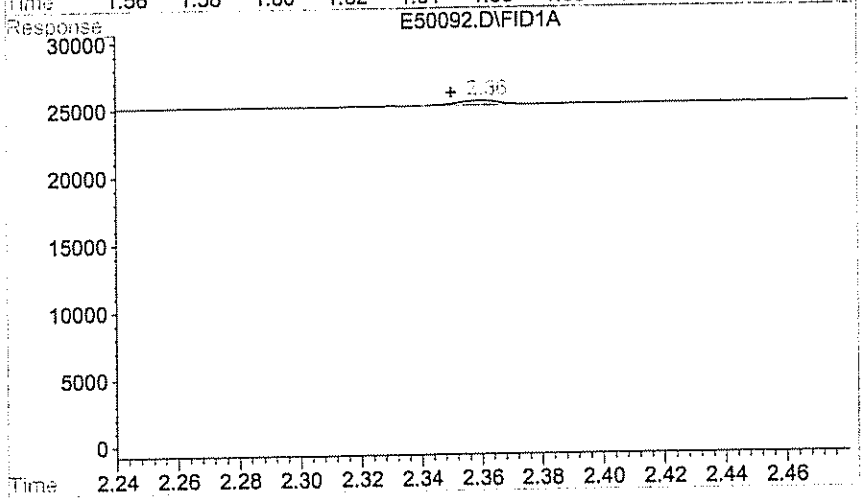
#1 Methane

R.T.: 1.167 min
Delta R.T.: 0.000 min
Response: 146
Conc: 16.83 ppb m



#2 Ethane

R.T.: 1.653 min
Delta R.T.: 0.000 min
Response: 418
Conc: 31.20 ppb



#3 Ethylene

R.T.: 2.360 min
Delta R.T.: 0.010 min
Response: 334
Conc: 91.69 ppb

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\051909\E50093.D
Acq On : 19 May 20109 10:2
Sample : CAL10
Misc : CAL10
IntFile : rteint.p
Quant Time: Jun 1 14:35 2009 Quant Results File: RSK0519.RES

Vial: 5
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.16	229	24.043 ppb	m
2) T Ethane	1.64	711	59.587 ppb	
3) T Ethylene	2.35	560	54.141 ppb	

(f)=RT Delta > 1/2 Window (m)=manual int

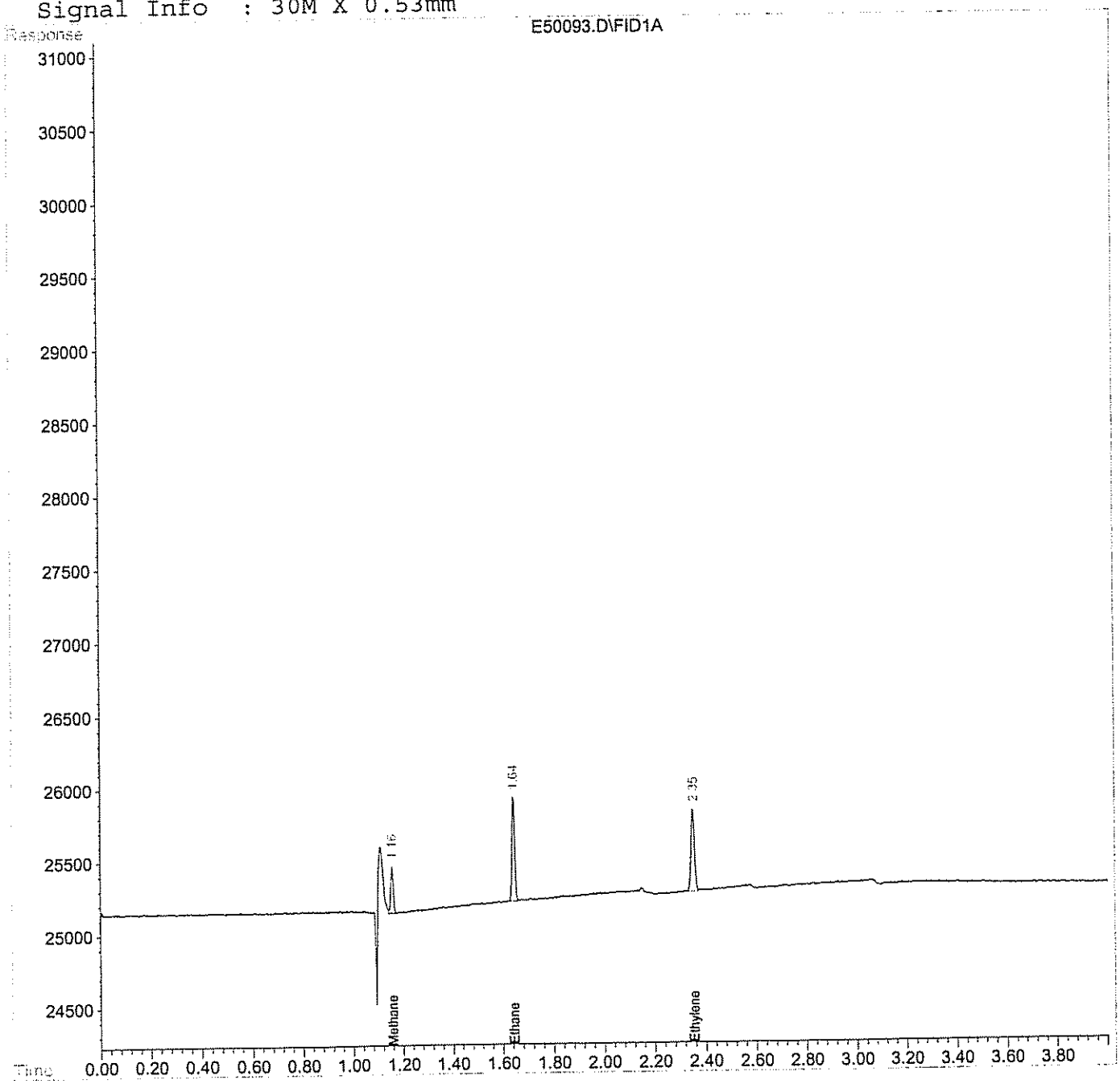
Quantitation Report

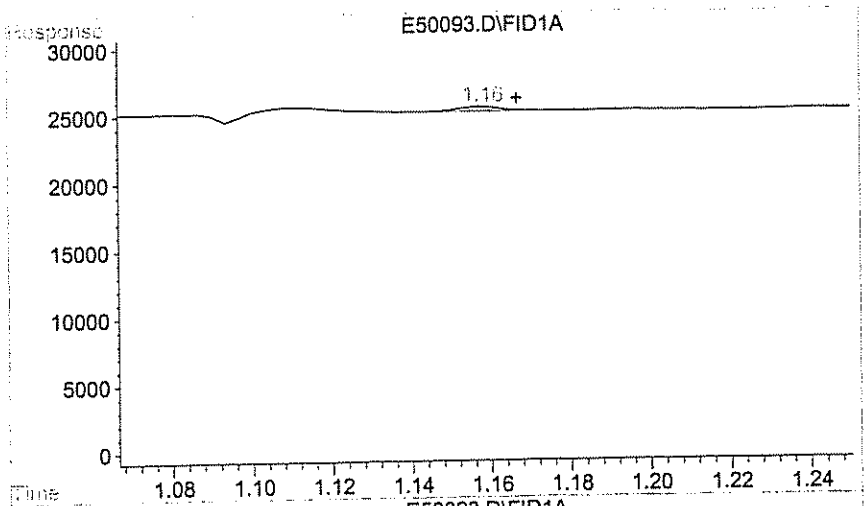
Data File : H:\GCMSDATA\E\051909\E50093.D
Acq On : 19 May 20109 10:2
Sample : CAL10
Misc : CAL10
IntFile : rteint.p
Quant Time: Jun 1 14:35 2009 Quant Results File: RSK0519.RES

Vial: 5
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

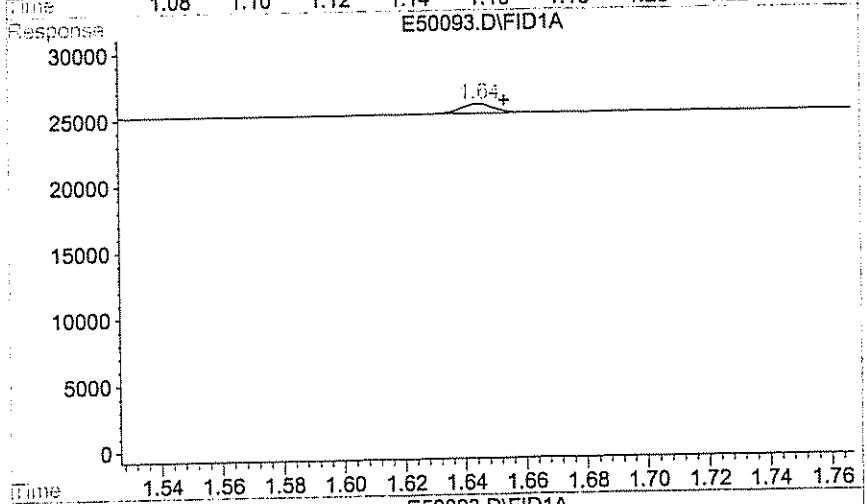
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





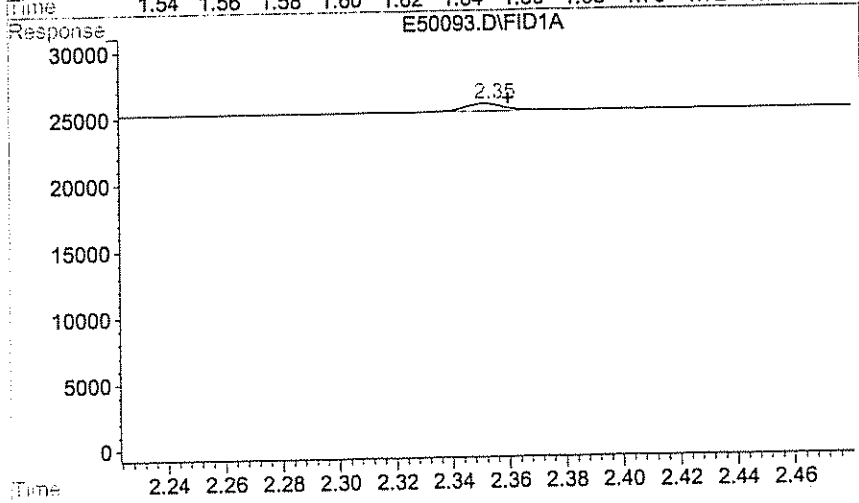
#1 Methane

R.T.: 1.157 min
Delta R.T.: -0.010 min
Response: 229
Conc: 24.04 ppb m



#2 Ethane

R.T.: 1.643 min
Delta R.T.: -0.010 min
Response: 711
Conc: 59.59 ppb



#3 Ethylene

R.T.: 2.353 min
Delta R.T.: -0.007 min
Response: 560
Conc: 54.14 ppb

Response Factor Report FID

Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009

Calibration Files

1	=50179.D	2	=50180.D	10	=50183.D
5	=50182.D	4	=50181.D		=

Compound	1	2	10	5	4	Avg	%RSD
1) T Methane	4.805	5.821	4.895	5.602	6.617	5.548 0	13.36
2) T Ethane	0.897	1.024	0.447	0.808	0.715	0.778 E1	27.94
3) T Ethylene	2.113	2.560	1.232	1.935	1.785	1.925 E1	25.17

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50179.D
Acq On : 28 May 20109 11:1
Sample : CAL1
Misc : CAL1
IntFile : rteint.p
Quant Time: May 28 12:35 2009 Quant Results File: RSK0528.RES

Vial: 3
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.57	16	2.798 ppb	m
2) T Ethane	2.12	56	7.128 ppb	
3) T Ethylene	2.76	123	18.302 ppb	

(m)=manual int.

Delta > 1/2 Window 01 08:19:46 2009

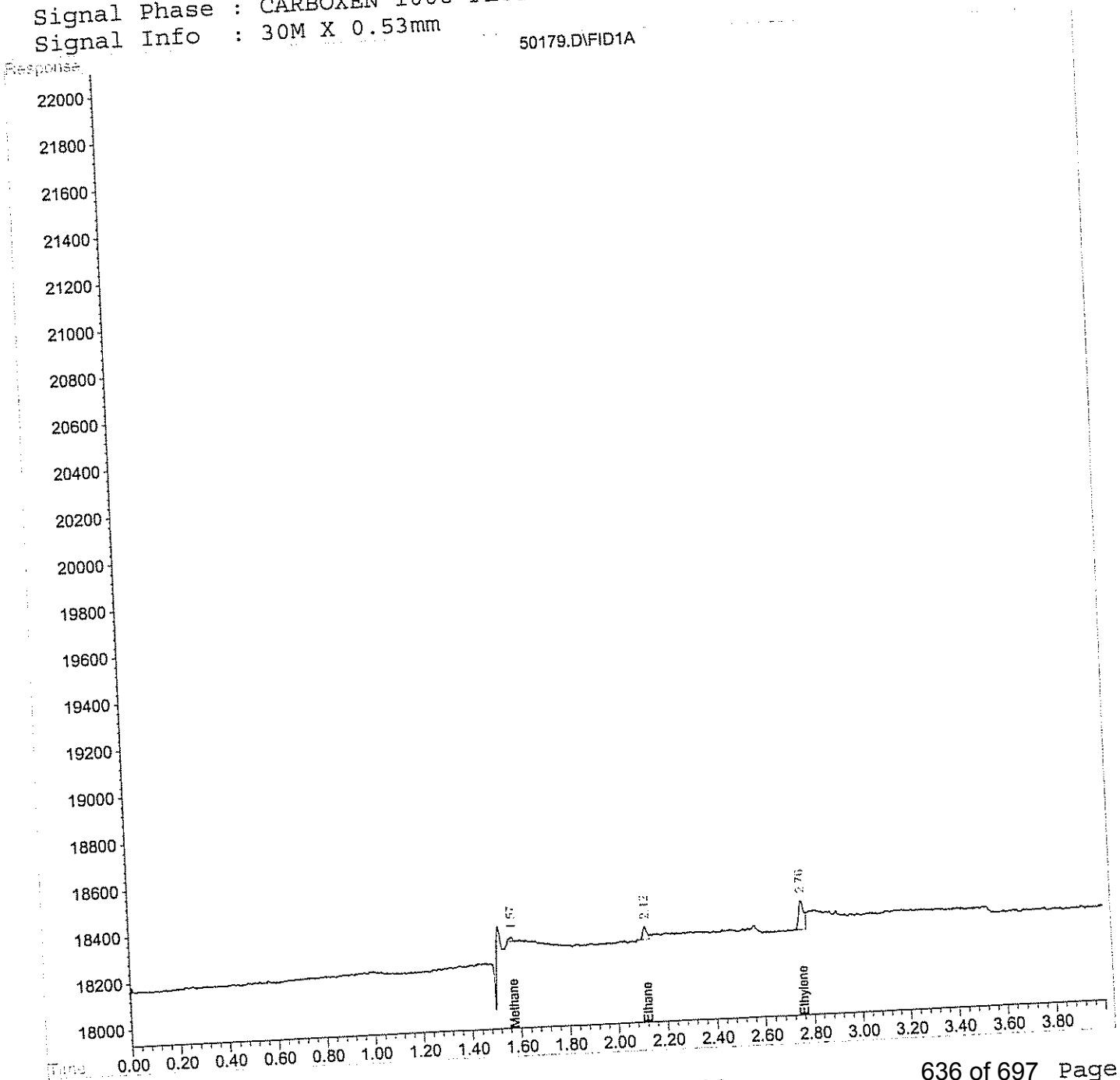
Quantitation Report

Data File : H:\GCMSDATA\E\052809\50179.D
Acq On : 28 May 20109 11:1
Sample : CAL1
Misc : CAL1
IntFile : rteint.p
Quant Time: May 28 12:35 2009 Quant Results File: RSK0528.RES

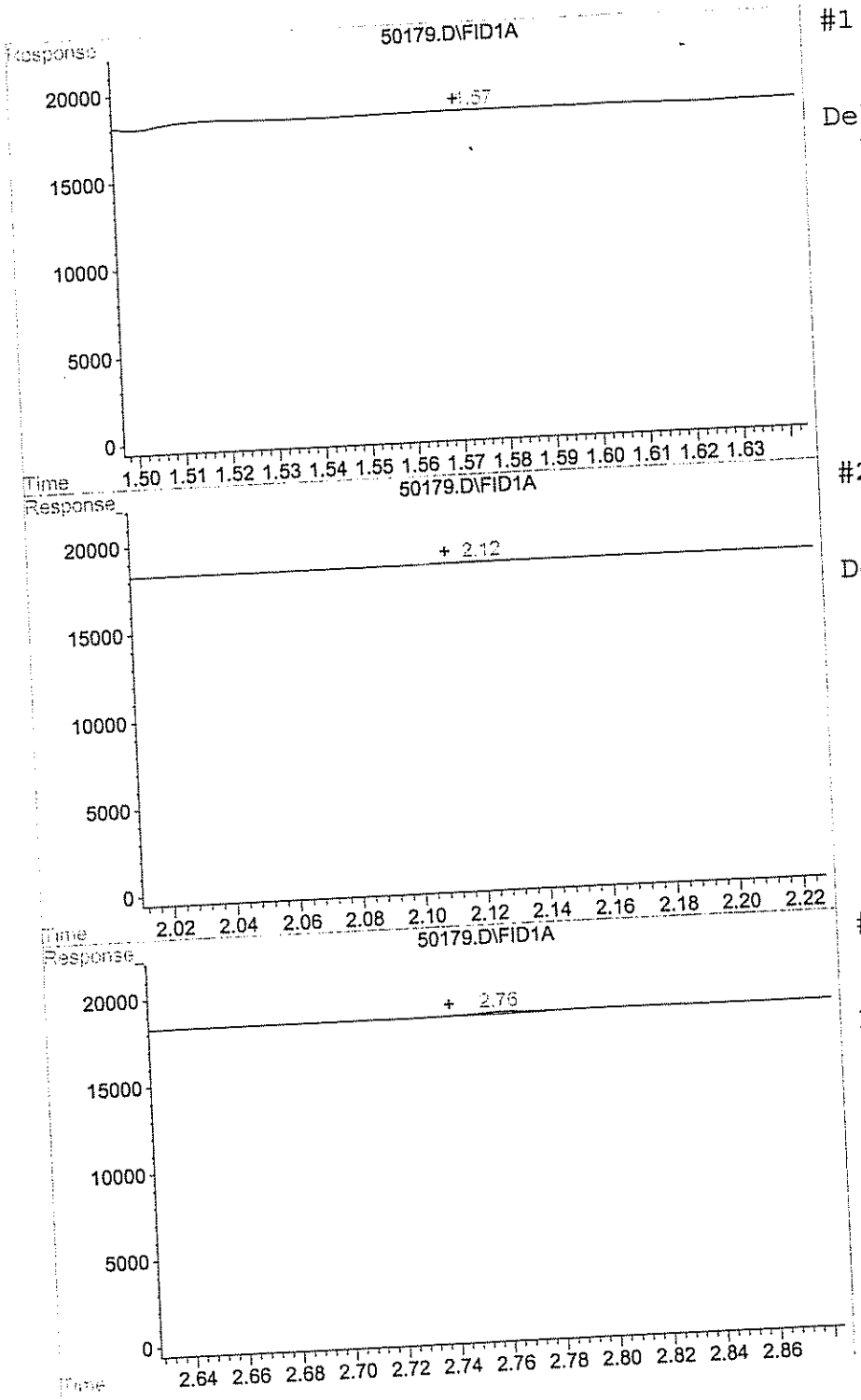
Vial: 3
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm



50179.D RSK0528.M Mon Jun 01 08:19:46 2009



#1 Methane

R.T.: 1.573 min
Delta R.T.: 0.003 min
Response: 16
Conc: 2.80 ppb m

#2 Ethane

R.T.: 2.120 min
Delta R.T.: 0.010 min
Response: 56
Conc: 7.13 ppb

#3 Ethylene

R.T.: 2.757 min
Delta R.T.: 0.017 min
Response: 123
Conc: 18.30 ppb

50179.D RSK0528.M Mon Jun 01 08:19:47 2009

Quantitation Report (QT Reviewed)

Vial: 4
Operator: MRH
Inst : FID
Multiplr: 1.00

Data File : H:\GCMSDATA\E\052809\50180.D
Acq On : 28 May 20109 11:2
Sample : CAL2
Misc : CAL2
IntFile : rteint.p
Quant Time: May 28 12:36 2009 Quant Results File: RSK0528.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.57	39	6.820 ppb	m
2) T Ethane	2.11	128	16.292 ppb	m
3) T Ethylene	2.75	297	44.192 ppb	m

(m) = manual int.

(f)=RT Delta > 1/2 Window

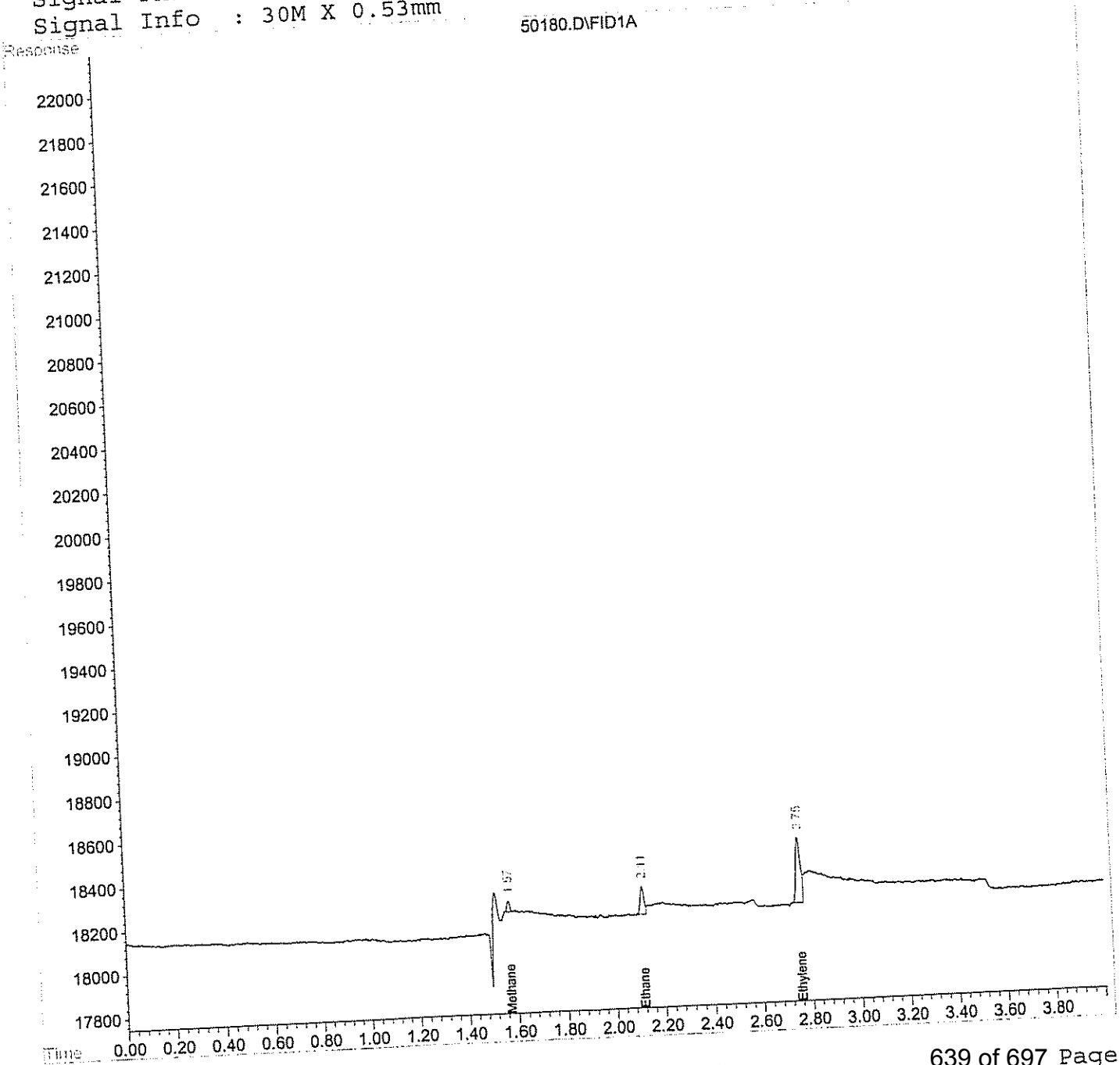
Quantitation Report

Data File : H:\GCMSDATA\E\052809\50180.D
Acq On : 28 May 20109 11:2
Sample : CAL2
Misc : CAL2
IntFile : rteint.p
Quant Time: May 28 12:36 2009 Quant Results File: RSK0528.RES

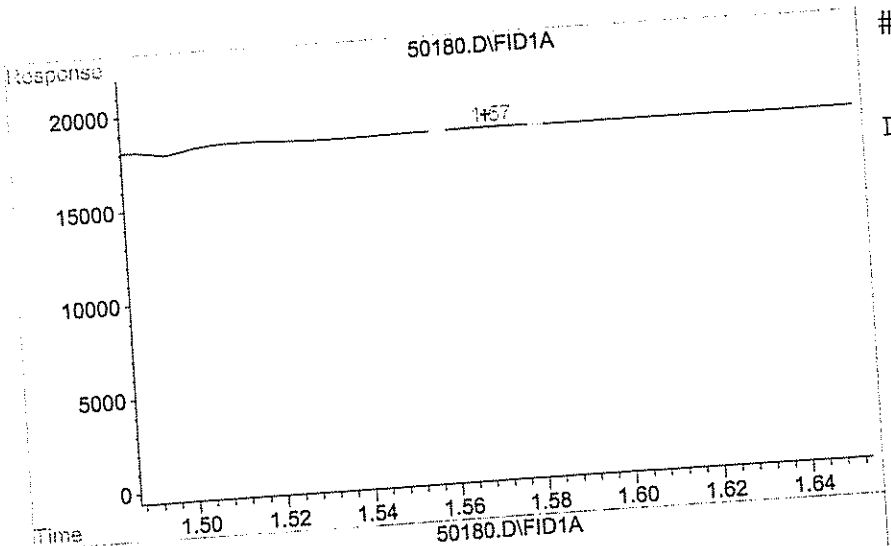
Vial: 4
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

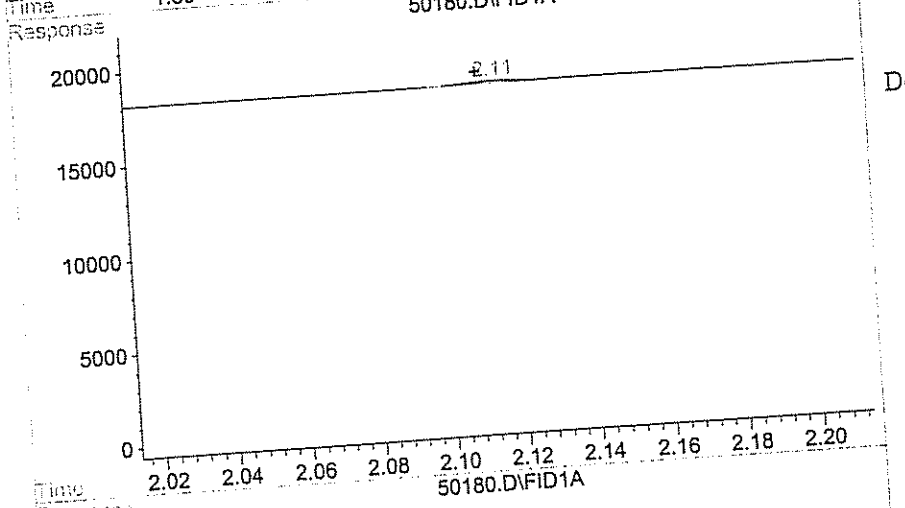


50180.D RSK0528.M Mon Jun 01 08:20:00 2009



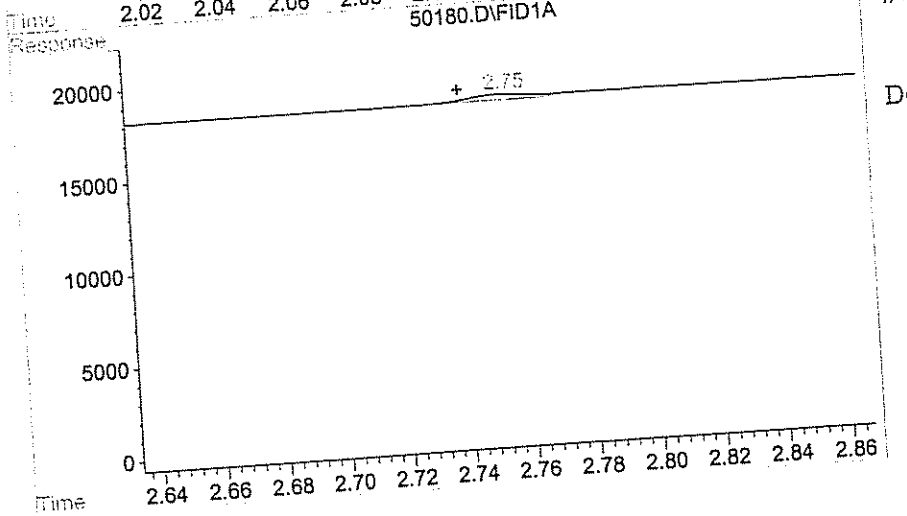
#1 Methane

R.T.: 1.570 min
Delta R.T.: 0.000 min
Response: 39
Conc: 6.82 ppb m



#2 Ethane

R.T.: 2.113 min
Delta R.T.: 0.003 min
Response: 128
Conc: 16.29 ppb m



#3 Ethylene

R.T.: 2.753 min
Delta R.T.: 0.013 min
Response: 297
Conc: 44.19 ppb m

50180.D RSK0528.M Mon Jun 01 08:20:00 2009

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50181.D
Acq On : 28 May 20109 11:2
Sample : CAL4
Misc : CAL4
IntFile : rteint.p
Quant Time: May 28 12:31 2009 Quant Results File: RSK0528.RES

Vial: 5
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units
Target Compounds			
1) T Methane	1.57	88	15.388 ppb m
2) T Ethane	2.11	178	22.656 ppb m
3) T Ethylene	2.75	416	61.899 ppb

(f)=RT Delta > 1/2 Window (m)=manual integ

50181.D RSK0528.M Mon Jun 01 08:20:08 2009

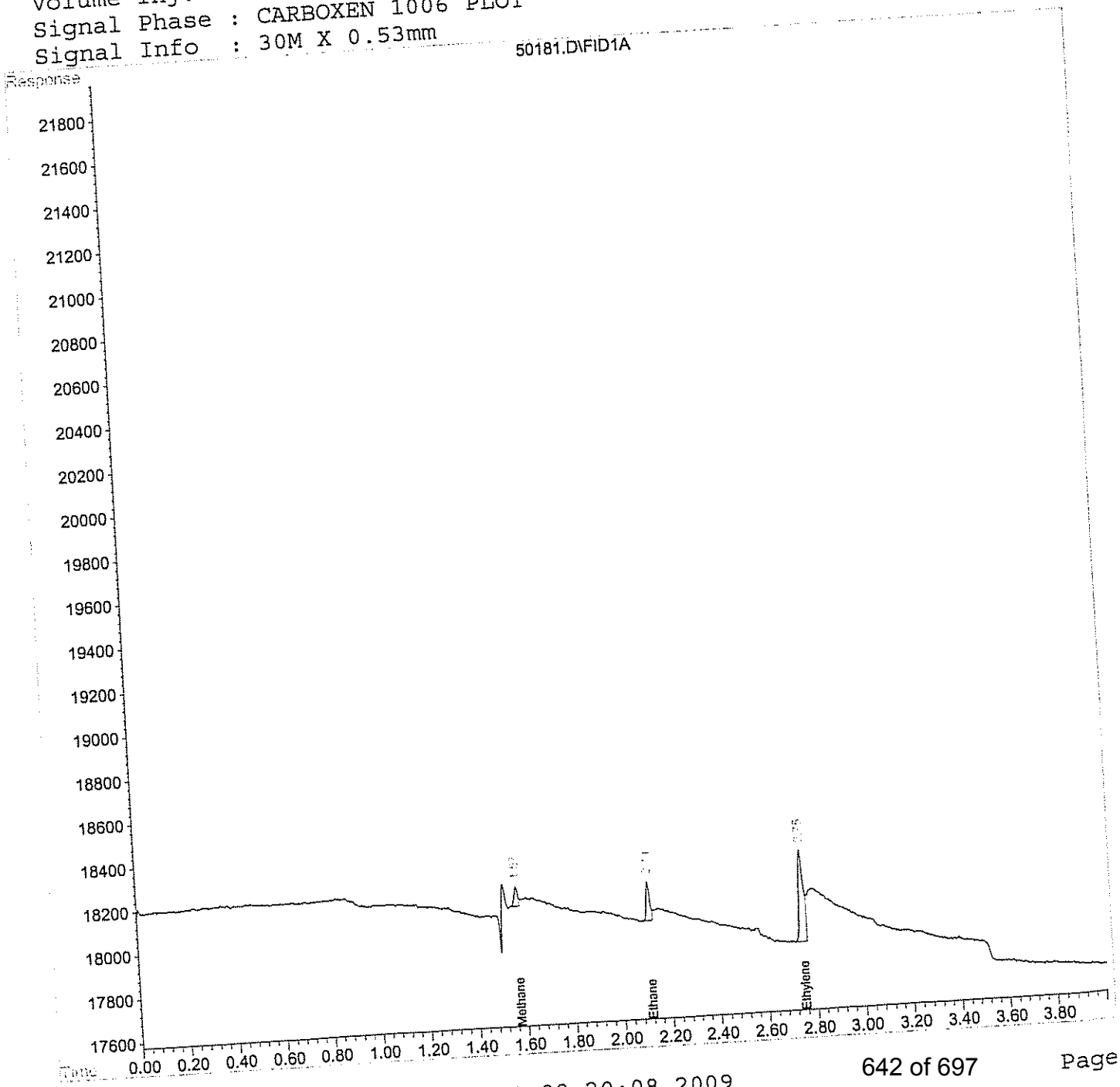
Quantitation Report

Data File : H:\GCMSDATA\E\052809\50181.D
Acq On : 28 May 20109 11:2
Sample : CAL4
Misc : CAL4
IntFile : rteint.p
Quant Time: May 28 12:31 2009 Quant Results File: RSK0528.RES

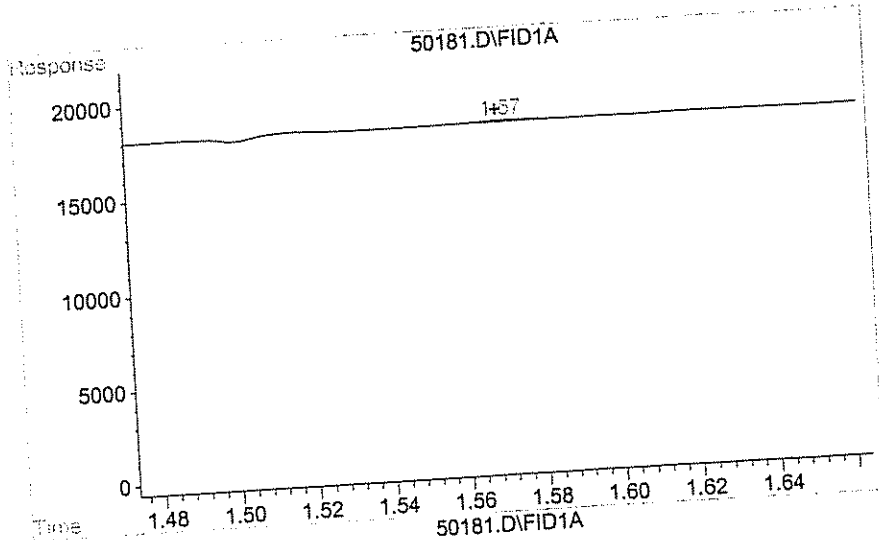
Vial: 5
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

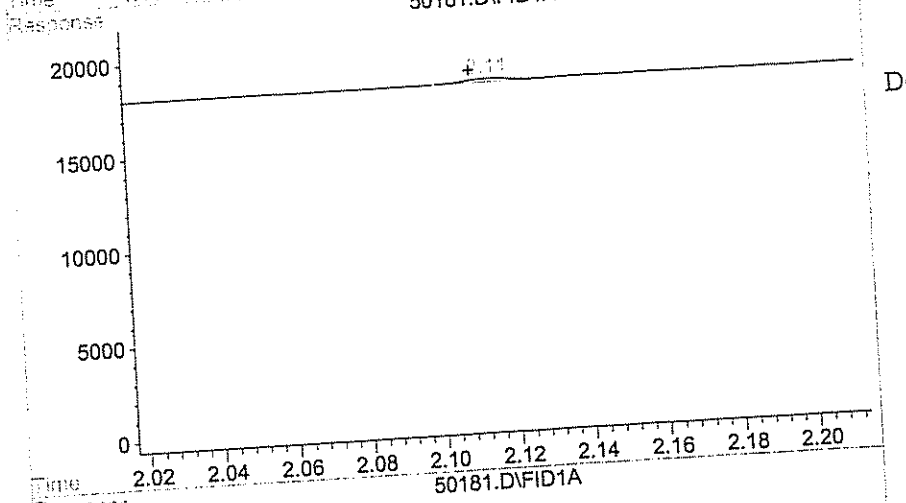


50181.D RSK0528.M Mon Jun 01 08:20:08 2009



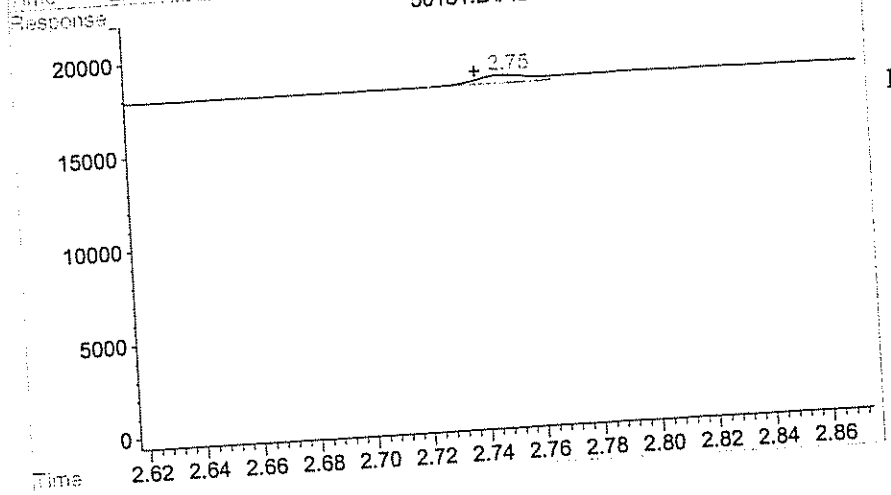
#1 Methane

R.T.: 1.570 min
Delta R.T.: 0.000 min
Response: 88
Conc: 15.39 ppb m



#2 Ethane

R.T.: 2.113 min
Delta R.T.: 0.003 min
Response: 178
Conc: 22.66 ppb m



#3 Ethylene

R.T.: 2.750 min
Delta R.T.: 0.010 min
Response: 416
Conc: 61.90 ppb

50181.D RSK0528.M Mon Jun 01 08:20:08 2009

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50182.D
Acq On : 28 May 20109 11:3
Sample : CAL5
Misc : CAL5
IntFile : rteint.p
Quant Time: May 28 12:38 2009 Quant Results File: RSK0528.RES

Vial: 6
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units
Target Compounds			
1) T Methane	1.57	93	16.262 ppb m
2) T Ethane	2.11	252	32.075 ppb m
3) T Ethylene	2.74	563	83.772 ppb

(m) =manual int.

(f)=RT Delta > 1/2 Window

RSK0528.M Mon Jun 01 08:20:17 2009

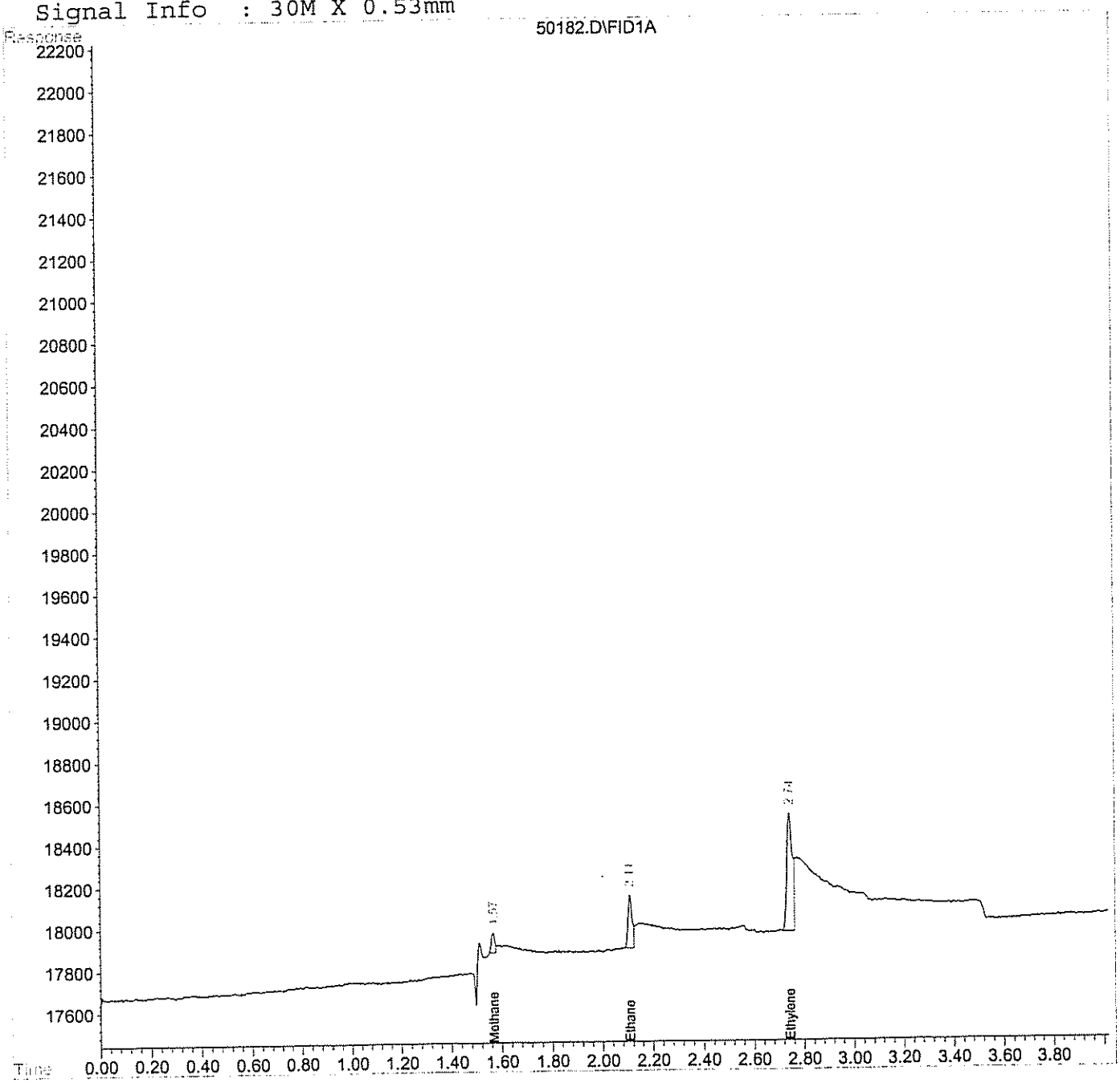
Quantitation Report

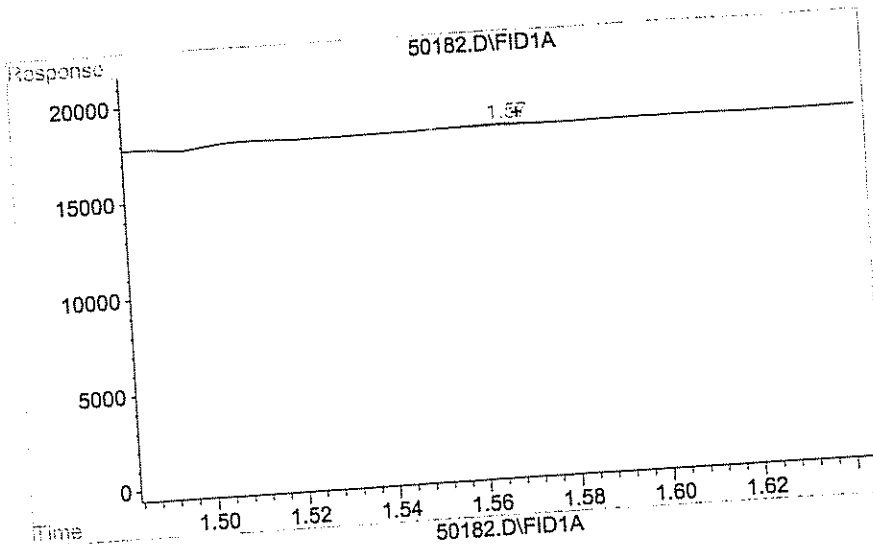
Data File : H:\GCMSDATA\E\052809\50182.D
Acq On : 28 May 20109 11:3
Sample : CAL5
Misc : CAL5
IntFile : rteint.p
Quant Time: May 28 12:38 2009 Quant Results File: RSK0528.RES

Vial: 6
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

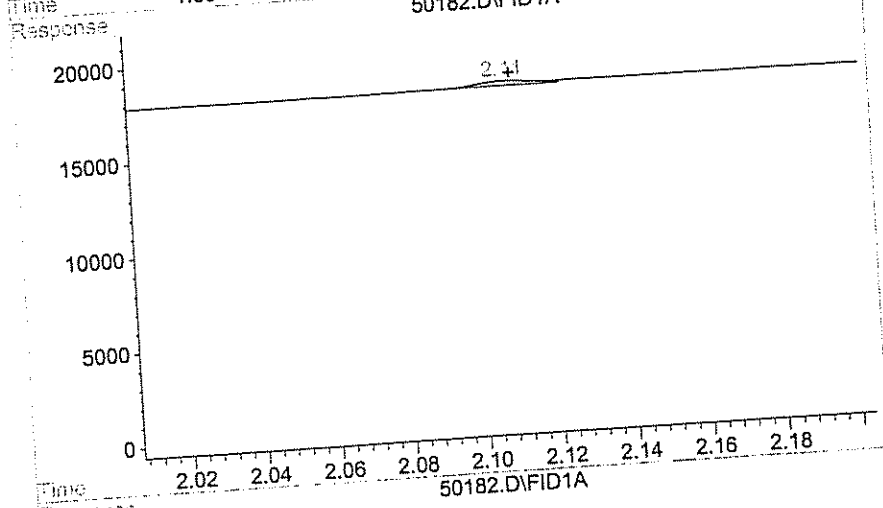
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





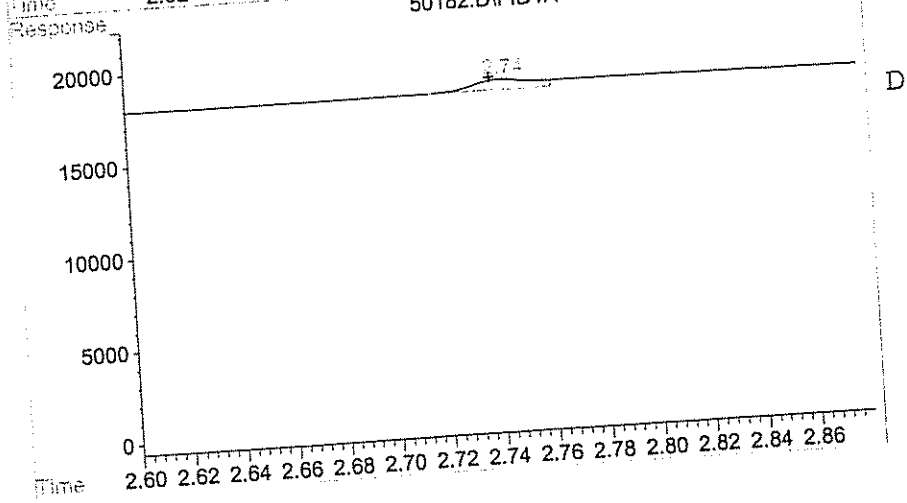
#1 Methane

R.T.: 1.567 min
Delta R.T.: -0.003 min
Response: 93
Conc: 16.26 ppb m



#2 Ethane

R.T.: 2.107 min
Delta R.T.: -0.003 min
Response: 252
Conc: 32.07 ppb m



#3 Ethylene

R.T.: 2.743 min
Delta R.T.: 0.003 min
Response: 563
Conc: 83.77 ppb

50182.D RSK0528.M Mon Jun 01 08:20:18 2009

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50183.D
Acq On : 28 May 20109 11:4
Sample : CAL10
Misc : CAL10
IntFile : rteint.p
Quant Time: May 28 12:30 2009 Quant Results File: RSK0528.RES

Vial: 7
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.57	163	28.503 ppb	m
2) T Ethane	2.12	279	35.511 ppb	
3) T Ethylene	2.75	717	106.687 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int

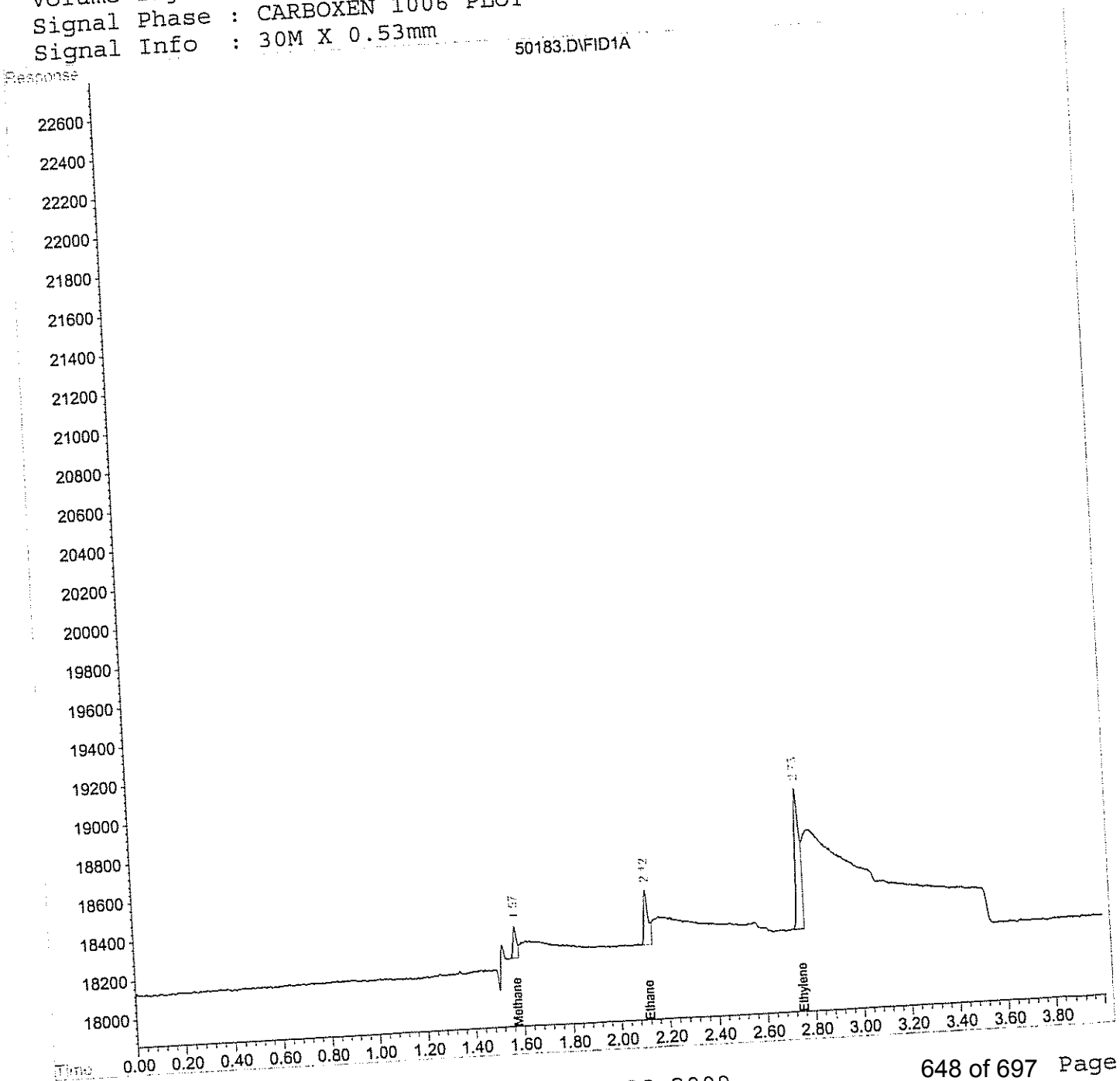
Quantitation Report

Data File : H:\GCMSDATA\E\052809\50183.D
Acq On : 28 May 20109 11:4
Sample : CAL10
Misc : CAL10
IntFile : rteint.p
Quant Time: May 28 12:30 2009 Quant Results File: RSK0528.RES

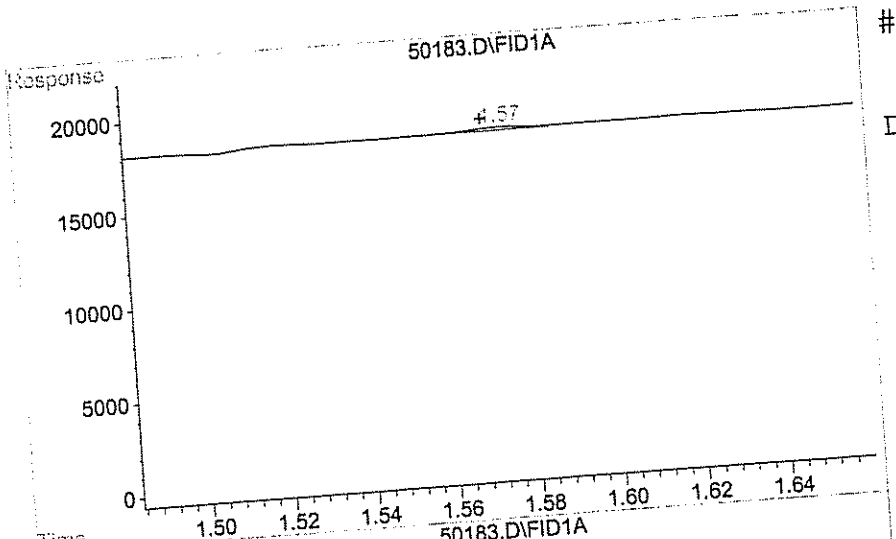
Vial: 7
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 11:40:35 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

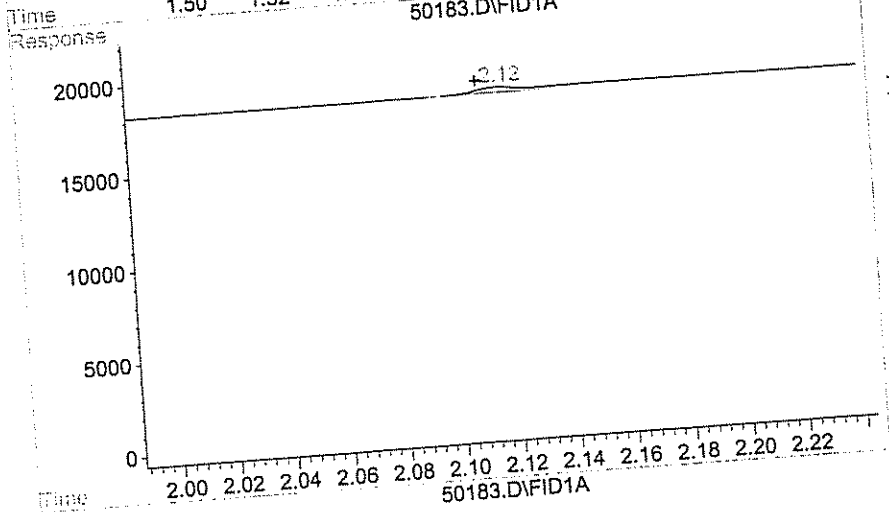


50183.D RSK0528.M Mon Jun 01 08:20:29 2009



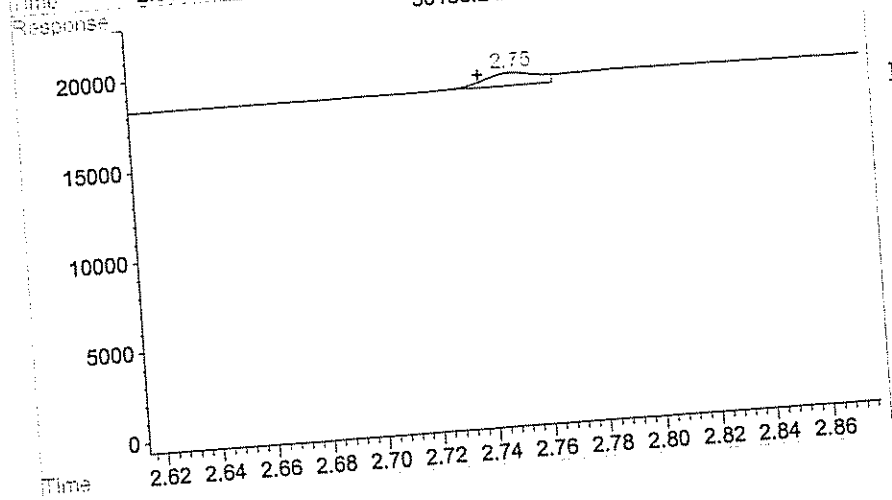
#1 Methane

R.T.: 1.573 min
Delta R.T.: 0.003 min
Response: 163
Conc: 28.50 ppb m



#2 Ethane

R.T.: 2.117 min
Delta R.T.: 0.007 min
Response: 279
Conc: 35.51 ppb



#3 Ethylene

R.T.: 2.750 min
Delta R.T.: 0.010 min
Response: 717
Conc: 106.69 ppb m

Mon Jun 01 08:20:29 2009

RSK0528.M

Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\E\052109\E50137.D
Acq On : 21 May 20109 2:5
Sample : CCV05
Misc : CCV05
IntFile : rteint.p

Vial: 1
Operator: MRH
Inst : FID
Multiplr: 1.00

Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	T	Methane	9.525	9.759	-2.5	113	0.00
2	T	Ethane	11.932	11.474	3.8	86	-0.02
3	T	Ethylene	10.343	12.199	-17.9	335#	-0.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50137.D
Acq On : 21 May 20109 2:5
Sample : CCV05
Misc : CCV05
IntFile : rteint.p
Quant Time: Jun 3 7:50 2009 Quant Results File: RSK0519.RES

Vial: 1
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units
Target Compounds			
1) T Methane	1.17	162	17.008 ppb m
2) T Ethane	1.63	358	30.003 ppb
3) T Ethylene	2.28	355	34.322 ppb

(f)=RT Delta > 1/2 Window
(m)=manual int

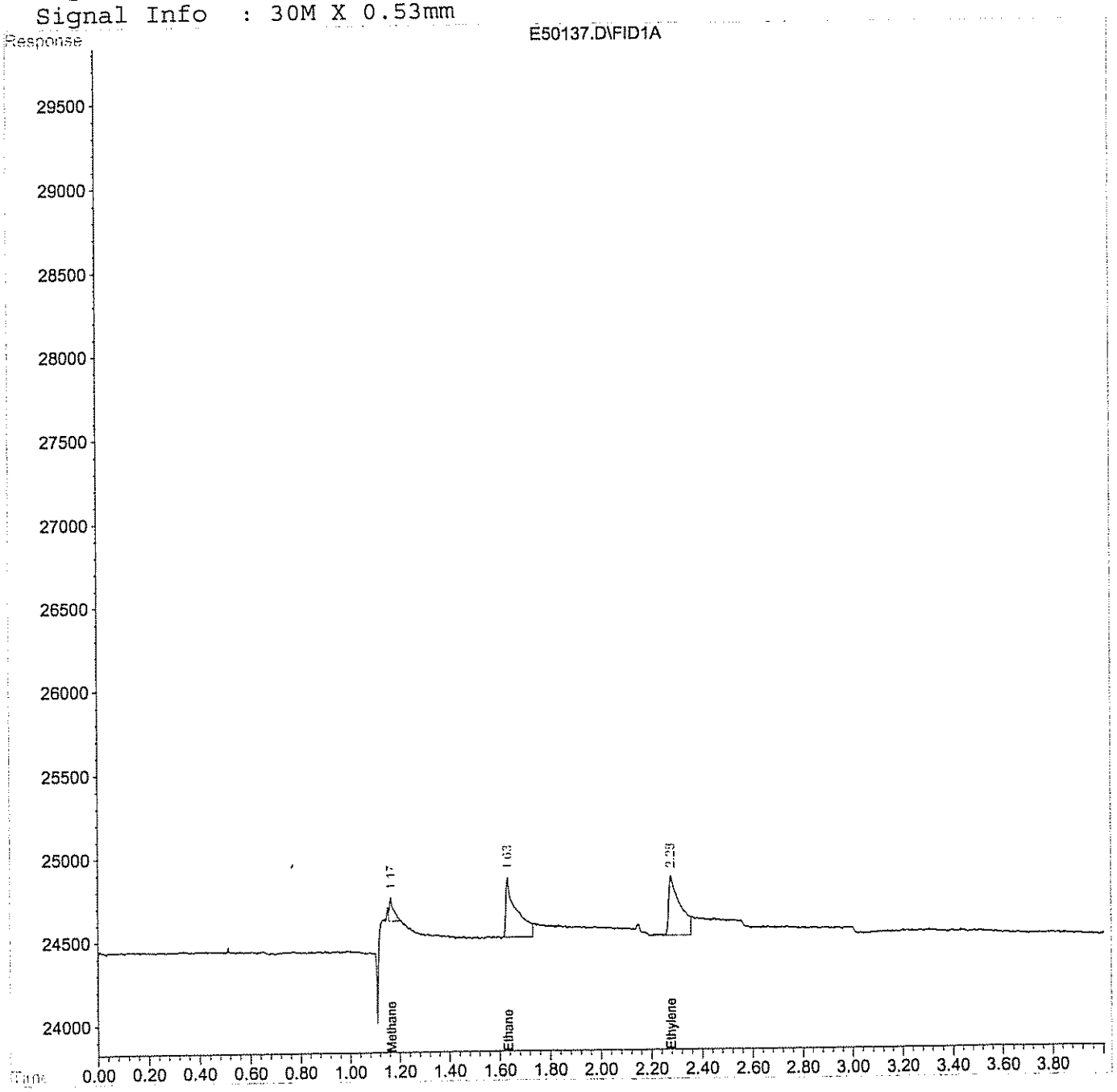
Quantitation Report

Data File : H:\GCMSDATA\E\052109\E50137.D
Acq On : 21 May 20109 2:5
Sample : CCV05
Misc : CCV05
IntFile : rteint.p
Quant Time: Jun 3 7:50 2009 Quant Results File: RSK0519.RES

Vial: 1
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm



Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\E\052109\E50143.D
Acq On : 21 May 20109 121:0
Sample : CCV5
Misc : CCV5
IntFile : rteint.p

Vial: 7
Operator: MRH
Inst : FID
Multiplr: 1.00

Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 T	Methane	9.525	25.120	-163.7#	290#	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50143.D
Acq On : 21 May 20109 121:0
Sample : CCV5
Misc : CCV5
IntFile : rteint.p
Quant Time: Jun 3 7:25 2009 Quant Results File: RSK0519.RES

Vial: 7
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.15	417	43.781	ppb	m
2) T Ethane	0.00	0	N.D.	ppb	
3) T Ethylene	0.00	0	N.D.	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int

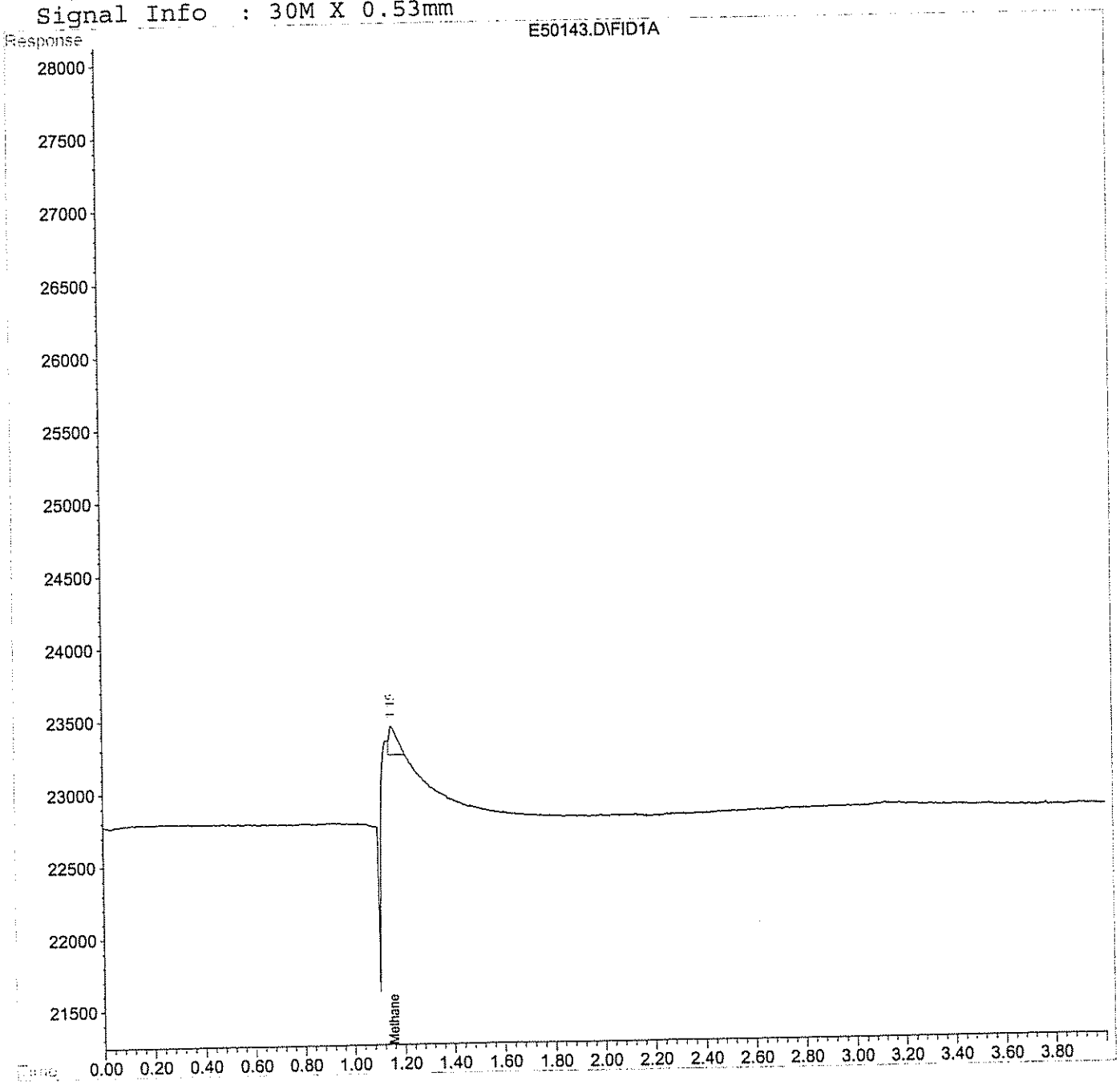
Quantitation Report

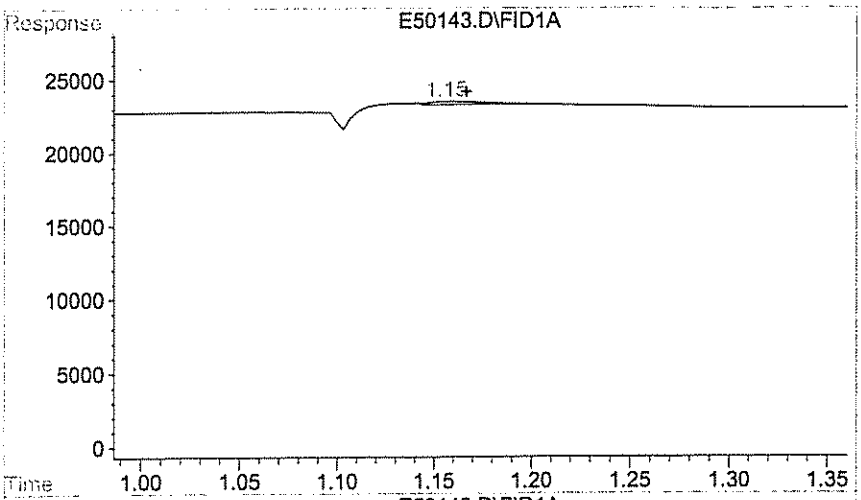
Data File : H:\GCMSDATA\E\052109\E50143.D
Acq On : 21 May 20109 121:0
Sample : CCV5
Misc : CCV5
IntFile : rteint.p
Quant Time: Jun 3 7:25 2009 Quant Results File: RSK0519.RES

Vial: 7
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

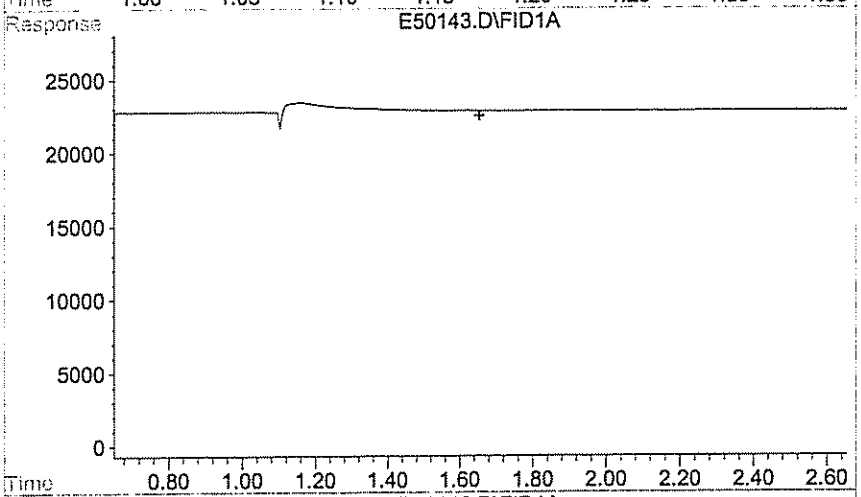
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





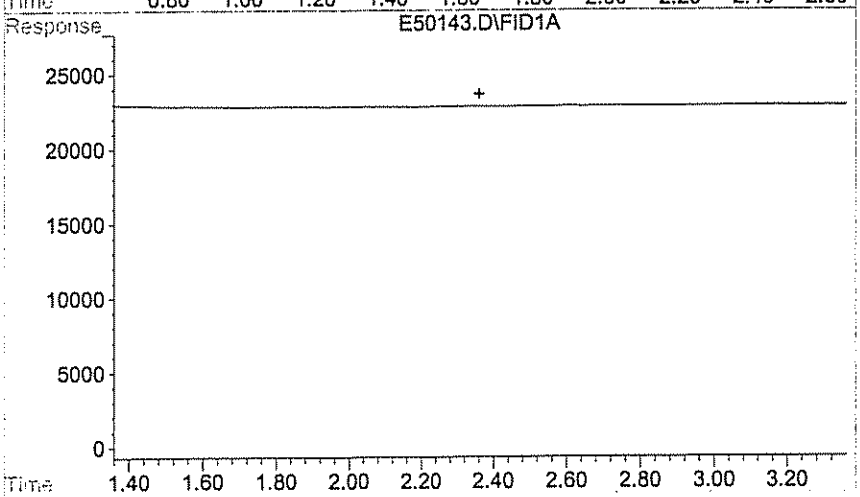
#1 Methane

R.T.: 1.153 min
Delta R.T.: -0.013 min
Response: 417
Conc: 43.78 ppb m



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 1.653 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.360 min
Response: 0
Conc: N.D.

Evaluate Continuing Calibration Report

Data File : H:\GCMSDATA\E\052809\50195.D
Acq On : 28 May 20109 127:5
Sample : CCV5
Misc : CCV5, CH2M, WATER, 2ML
IntFile : rteint.p

Vial: 19
Operator: MRH
Inst : FID
Multiplr: 1.00

Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	T	Methane	5.548	5.964	-7.5	106	0.02
2	T	Ethane	7.782	6.378	18.0	79	0.05
3	T	Ethylene	19.252	19.553	-1.6	101	0.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50195.D
Acq On : 28 May 20109 127:5
Sample : CCV5
Misc : CCV5, CH2M, WATER, 2ML
IntFile : rteint.p
Quant Time: May 28 20:06 2009 Quant Results File: RSK0528.RES

Vial: 19
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	1.59	99	17.845	ppb	m
2) T Ethane	2.16	199	25.571	ppb	m
3) T Ethylene	2.87	569	29.556	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual Int.

Mon Jun 01 08:20:48 2009

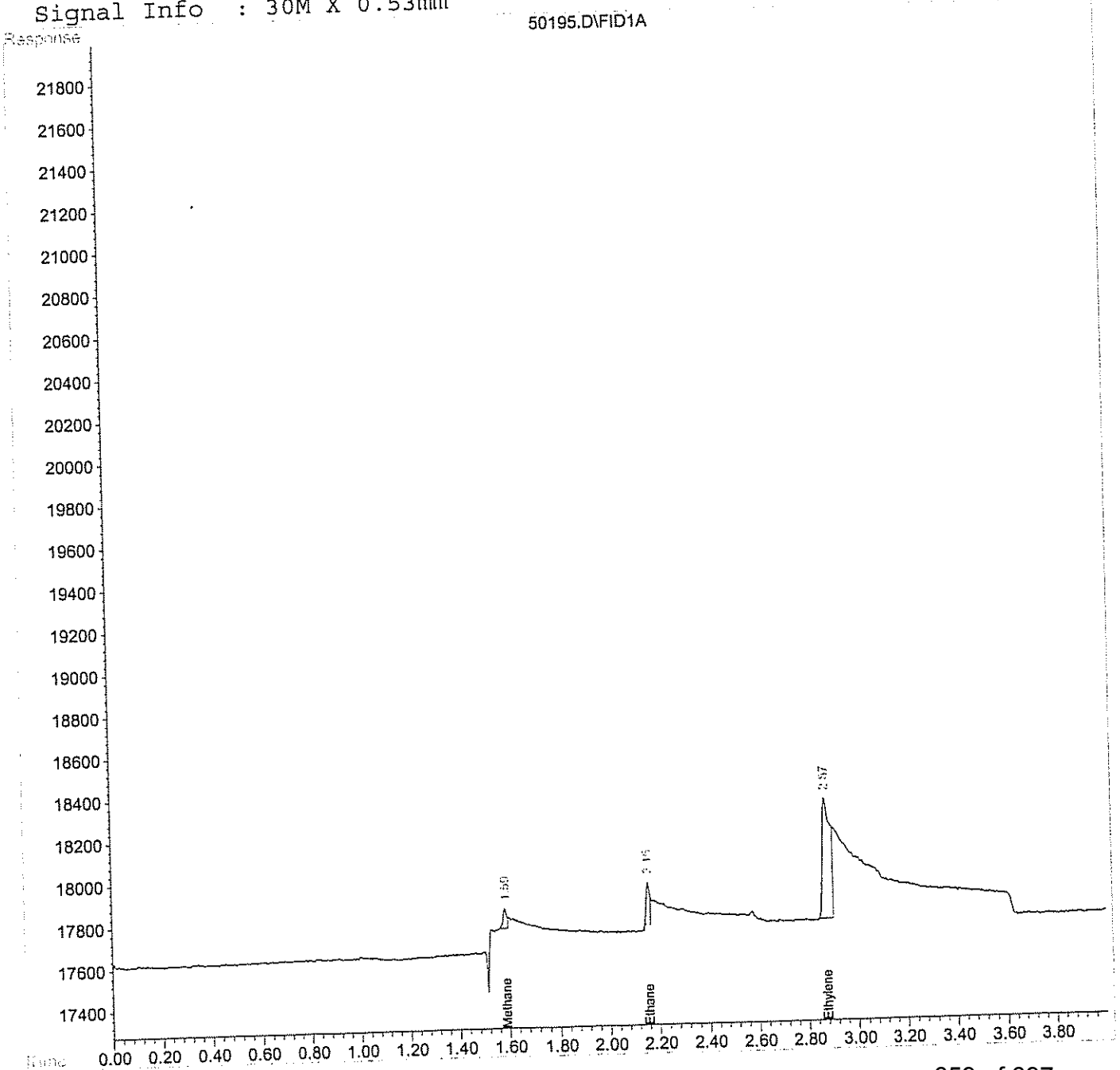
Quantitation Report

Data File : H:\GCMSDATA\E\052809\50195.D
Acq On : 28 May 20109 127:5
Sample : CCV5
Misc : CCV5, CH2M, WATER, 2ML
IntFile : rteint.p
Quant Time: May 28 20:06 2009 Quant Results File: RSK0528.RES

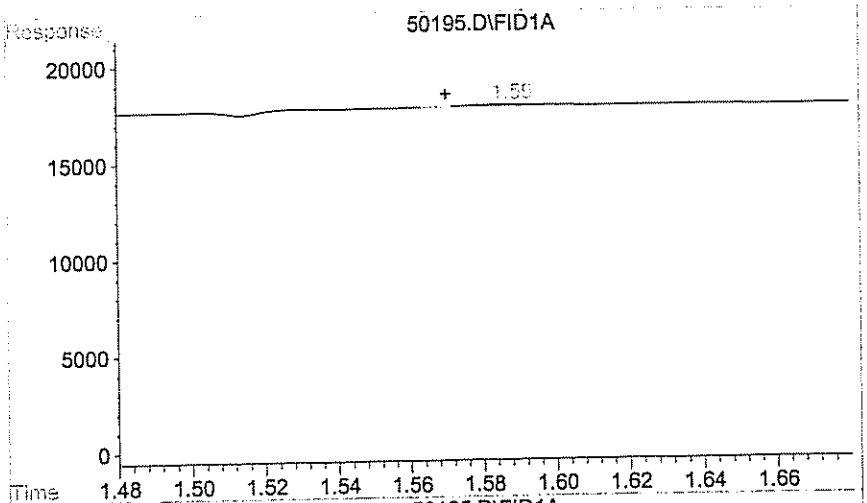
Vial: 19
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

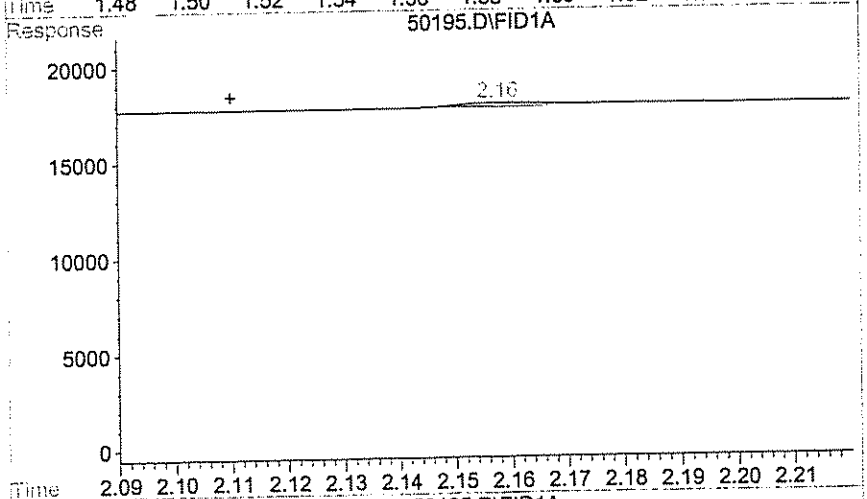


50195.D RSK0528.M Mon Jun 01 08:20:48 2009



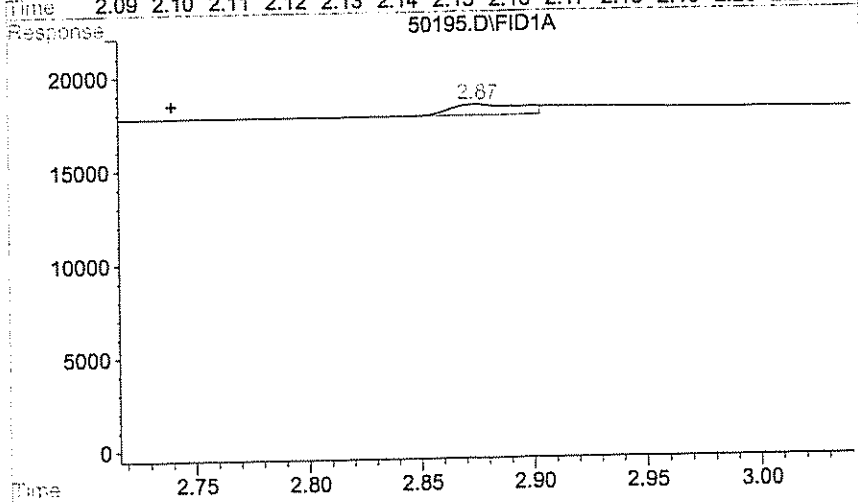
#1 Methane

R.T.: 1.587 min
Delta R.T.: 0.017 min
Response: 99
Conc: 17.84 ppb m



#2 Ethane

R.T.: 2.157 min
Delta R.T.: 0.047 min
Response: 199
Conc: 25.57 ppb m



#3 Ethylene

R.T.: 2.873 min
Delta R.T.: 0.133 min
Response: 569
Conc: 29.56 ppb m

D. Raw QC Data

1. BFB
2. Blank Data
3. Matrix Spike Data
4. Matrix Spike Duplicate Data
5. Laboratory Control Standard Data (where applicable)
6. Injection Logsheet
7. Control Charts (where applicable)

GPL Laboratories

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK127018

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK127018
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052109\E50138.D
Acq On : 21 May 20109 4:2
Sample : BLK
Misc : BLK
IntFile : rteint.p
Quant Time: Jun 3 7:52 2009 Quant Results File: RSK0519.RES

Vial: 2
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	0.00	0	N.D.	ppb	d
2) T Ethane	0.00	0	N.D.	ppb	
3) T Ethylene	0.00	0	N.D.	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int

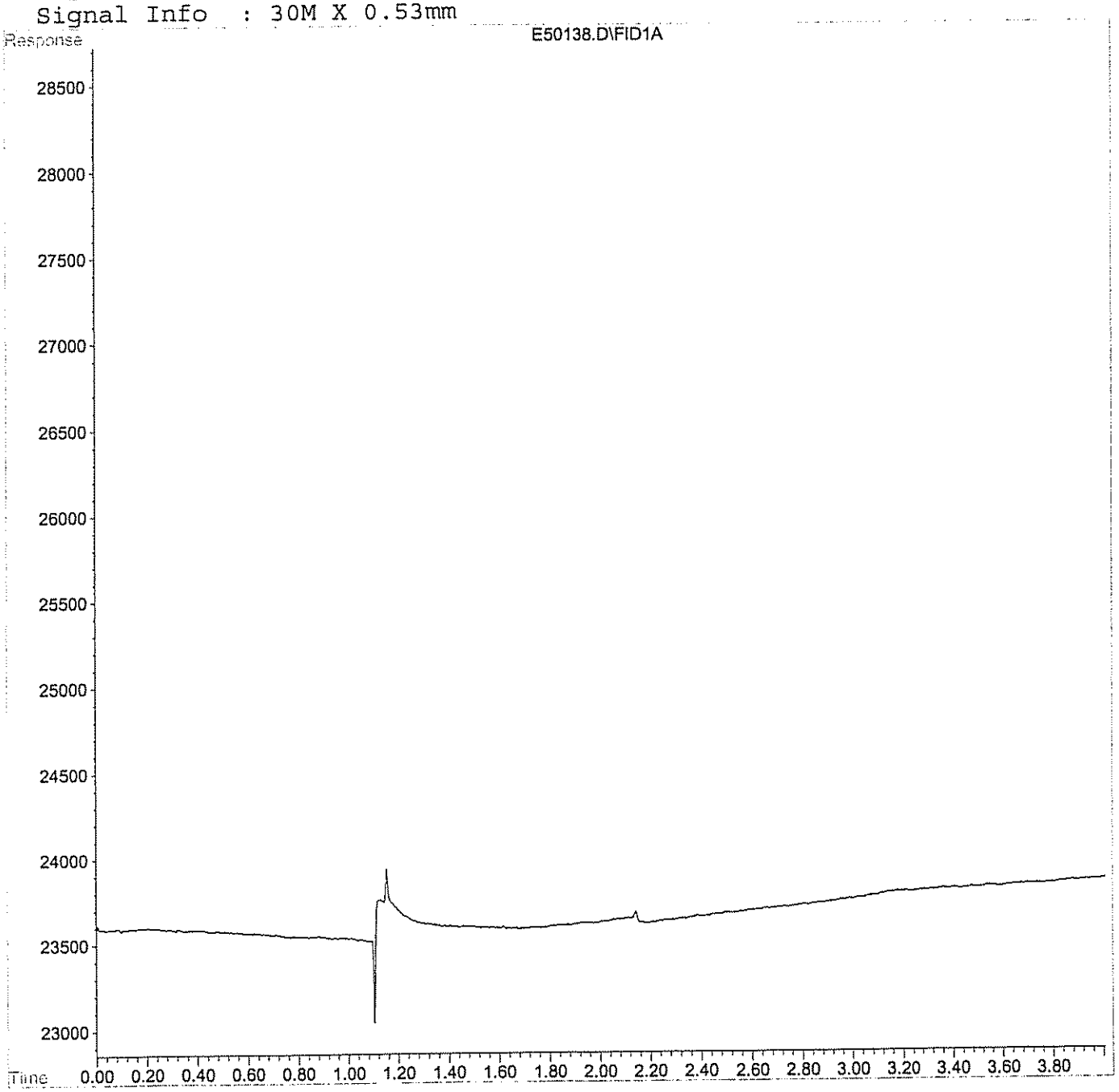
Quantitation Report

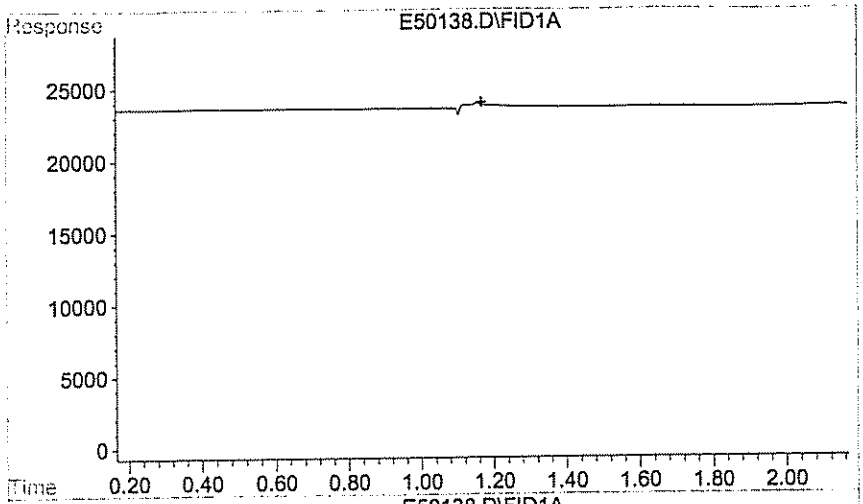
Data File : H:\GCMSDATA\E\052109\E50138.D
Acq On : 21 May 20109 4:2
Sample : BLK
Misc : BLK
IntFile : rteint.p
Quant Time: Jun 3 7:52 2009 Quant Results File: RSK0519.RES

Vial: 2
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

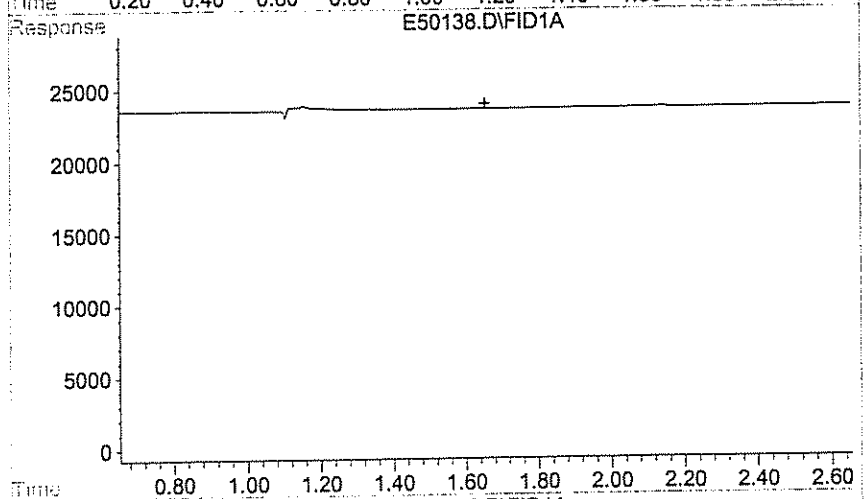
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





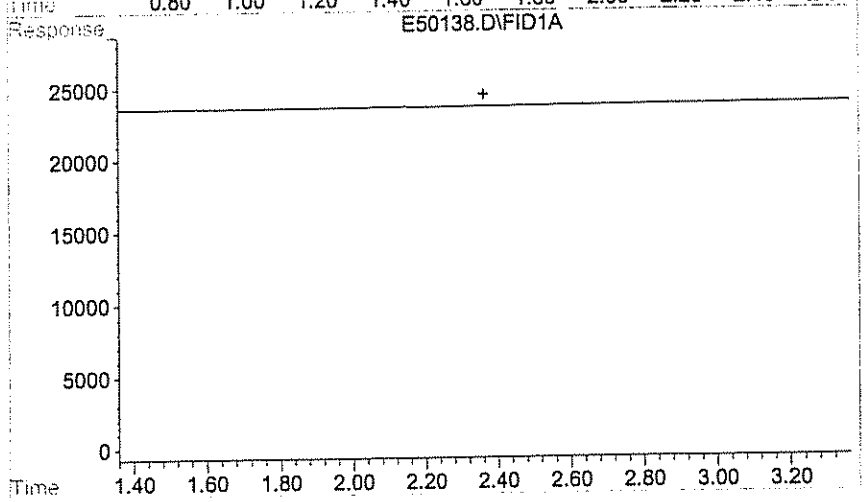
#1 Methane

R.T.: 0.000 min
Exp R.T. : 1.167 min
Response: 0
Conc: N.D.



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 1.653 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.360 min
Response: 0
Conc: N.D.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK126934

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK126934
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052809\50184.D
Acq On : 28 May 20109 121:1
Sample : BLK
Misc : BLK
IntFile : rteint.P
Quant Time: May 29 9:08 2009 Quant Results File: RSK0528.RES

Vial: 8
Operator: MRH
Inst : FID
Multiplr: 1.00

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc	Units	
Target Compounds					
1) T Methane	0.00	0	N.D.	ppb	d
2) T Ethane	0.00	0	N.D.	ppb	d
3) T Ethylene	0.00	0	N.D.	ppb	d

(m)=manual int.

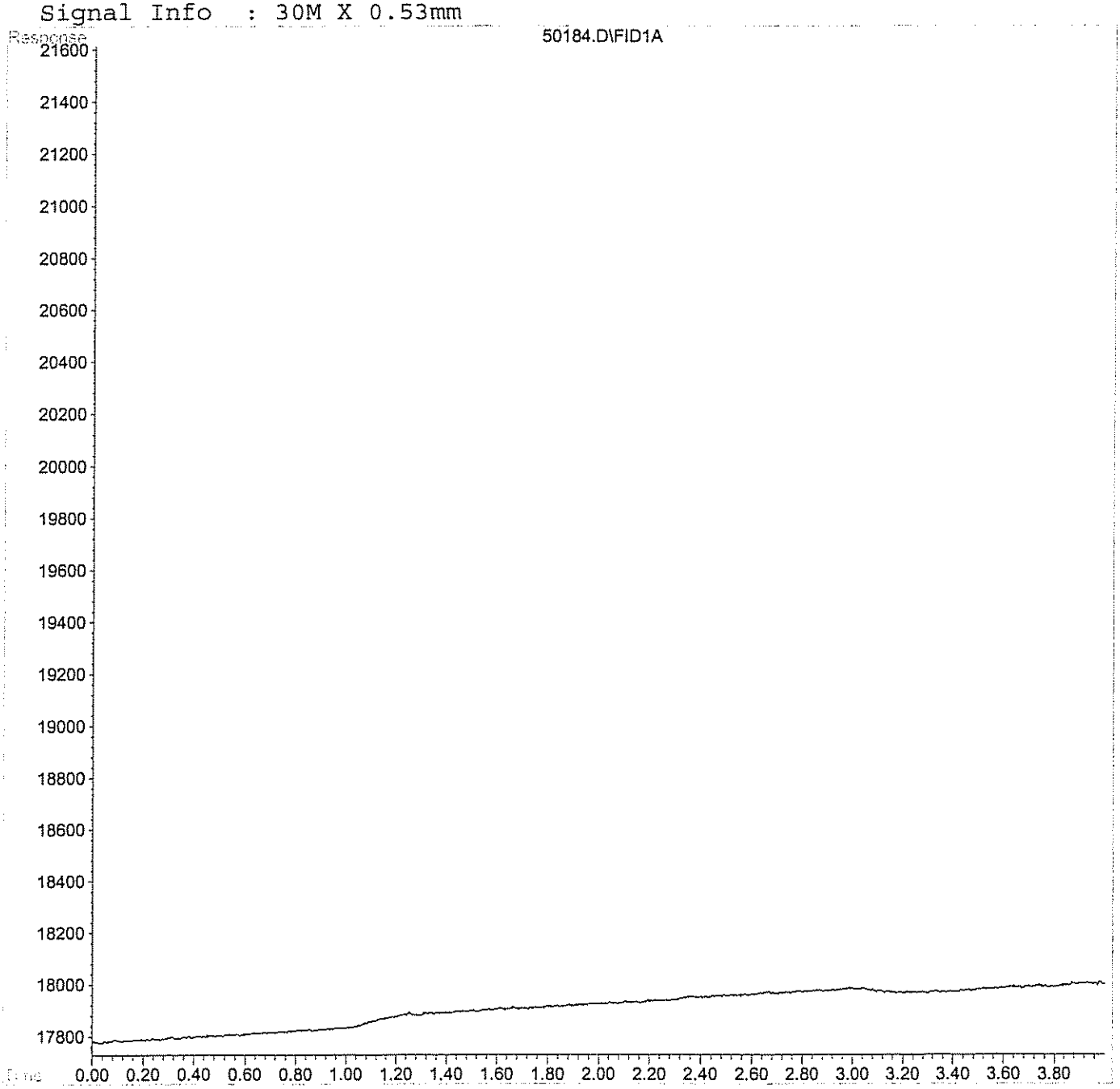
1/2 Window 08:20:37 2009

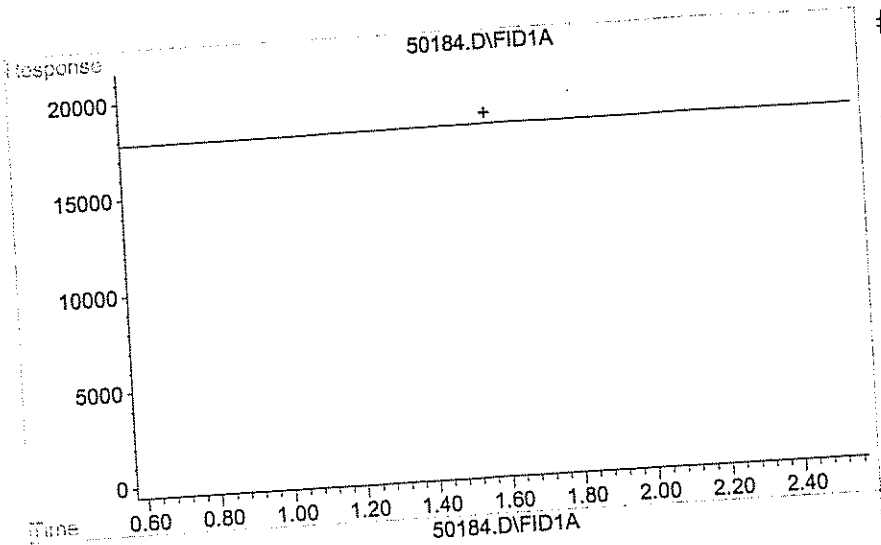
Quantitation Report

Data File : H:\GCMSDATA\E\052809\50184.D Vial: 8
Acq On : 28 May 20109 121:1 Operator: MRH
Sample : BLK Inst : FID
Misc : BLK Multiplr: 1.00
IntFile : rteint.p
Quant Time: May 29 9:08 2009 Quant Results File: RSK0528.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0528.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Thu May 28 12:34:06 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

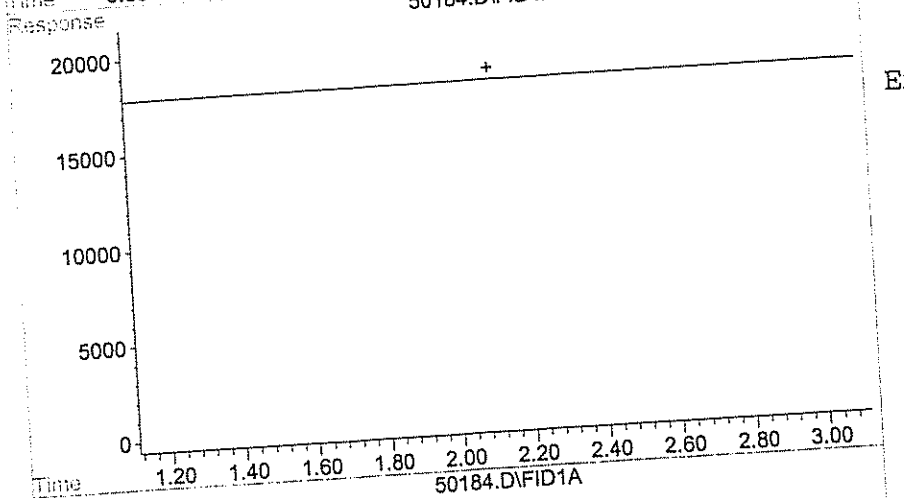
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





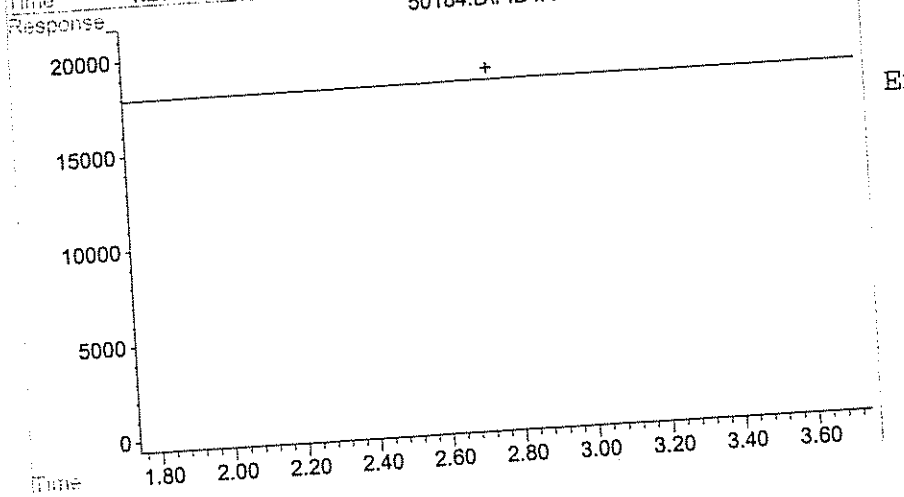
#1 Methane

R.T.: 0.000 min
Exp R.T. : 1.570 min
Response: 0
Conc: N.D.



#2 Ethane

R.T.: 0.000 min
Exp R.T. : 2.110 min
Response: 0
Conc: N.D.



#3 Ethylene

R.T.: 0.000 min
Exp R.T. : 2.740 min
Response: 0
Conc: N.D.

50184.D RSK0528.M Mon Jun 01 08:20:38 2009

GC/MS ANALYSIS LOG - VOLATILES

Reviewed By: HS Date: 6.3.09

INSTRUMENT ID:	HP 5970 # E
ANALYSIS/FRACTION:	VOA
ANALYSTS:	MRA
ICAL Date:	05/19/09

METHOD FILE:	KSK0519.m
SEQUENCE FILE:	051909
TUNE FILE:	N/A

ALS	FILE ID	GPL ID	DATE	TIME	DIL	MATRIX	VOL	PH	METHOD	COMMENTS
	E 500089	cal01	5/19/09	N/A	N/A	STD	10ml	N/A	KSK	OK
	E 90	02								OK
	E 91	04								OK
	E 92	05								OK
	E 93	10								OK
	E 94	BLK								OK
	E 5	905059-001				water				needs DL
	E 6	002								OK
	E 7	003								needs DL
	E 8	004								needs DL
	E 500099	005								needs DL
	E 500100	006								needs DL
	E 01	007								OK
	E 02	008								needs DL
	E 03	009								OK
	E 04	010								needs DL
	E 05	CCV05				STD	10ml			OK
	E 06	905059-011				water	10ml			needs DL
	E 07	905059-007MS					10ml			OK
	E 08	905059-007MSD								OK
	E 09	905060-001								OK
	E 10	002								needs DL
	E 11	003								OK
	E 12	CCV05				STD				OK
	E									
	E									

REMARKS

126933

Standards	Lot #	Conc.	Prep. Date	Volume

GC/MS ANALYSIS LOG - VOLATILES

Reviewed By: KA Date: 6-3-09

INSTRUMENT ID:	HP 5970 # E
ANALYSIS/FRACTION:	VOA
ANALYSTS:	MRA
ICAL Date:	05/19/09

METHOD FILE:	MSR059.M
SEQUENCE FILE:	052109
TUNE FILE:	NA

ALS	FILE ID	GPL ID	DATE	TIME	DIL	MATRIX	VOL	PH	METHOD	COMMENTS
	E 5 01 37	CCV 05	5/21/09	NA	NA	STD	10ml	NA	RSK	OK
	E 38	BLK	5/21/09							OK
	E 39	905070-001				water				OK
	E 40	002								OK
	E 41	004								OK
	E 42	005								OK
	E 43	CCV				STD				OK
	E									
	E									
	E									
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MRA 5/28/09

REMARKS noticable tailing 127018

Standards	Lot #	Conc.	Prep. Date	Volume

GC/MS ANALYSIS LOG - VOLATILES

Reviewed By: KJ Date: 6-3-09

INSTRUMENT ID:	HP 5970 # E
ANALYSIS/FRACTION:	VOA
ANALYSTS:	5/28/09
ICAL Date:	

METHOD FILE:	RSK 052809
SEQUENCE FILE:	~~052811 05~~ 052709/052809
TUNE FILE:	

ALS	FILE ID	GPL ID	DATE	TIME	DIL	MATRIX	VOL	PH	METHOD	COMMENTS
	E 50176	cal4	5/27/09	NA	NA	STD	10mL	NA	RSK	not used
	E 77	HETEST	5/28/09							OK
	E 78	N2TEST								OK
	E 79	cal1								OK
	E 80	2								OK
	E 81	4								OK
	E 82	5								OK
	E 83	10								OK
	E 84	BLK								OK
	E 85	905070-001				water				OK
	E 86	002								OK
	E 87	004								needs DL
	E 88	005								OK
	E 89	004 20X			20X		0.5mL			OK
	E 90	905059-001			25x		40mL			OK
	E 91	003			25x					OK
	E 92	004			~~5x~~		2mL			OK
	E 93	005			20x		0.5mL			OK
	E 94	006			5x		2mL			OK
	E 95	CONS			NA	STD	10mL			OK
	E									
	E									
	E									
	E									
	E									
	E									

REMARKS

126934

Standards	Lot #	Conc.	Prep. Date	Volume

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MS

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-020-1/2MS
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	30	
74-85-1	Ethene	25	
74-82-8	Methane	120	E

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052009\E50128.D Vial: 16
Acq On : 20 May 20109 9:4 Operator: MRH
Sample : 905068-003MS Inst : FID
Misc : OU1-16GW49-0509, CH2M, WATER, 10ML Multiplr: 1.00
IntFile : rteint.p
Quant Time: May 20 9:47 2009 Quant Results File: RSK0519.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1) T	Methane	1.16	1148	120.529	ppb	m
2) T	Ethane	1.63	356	29.836	ppb	
3) T	Ethylene	2.30	255	24.654	ppb	

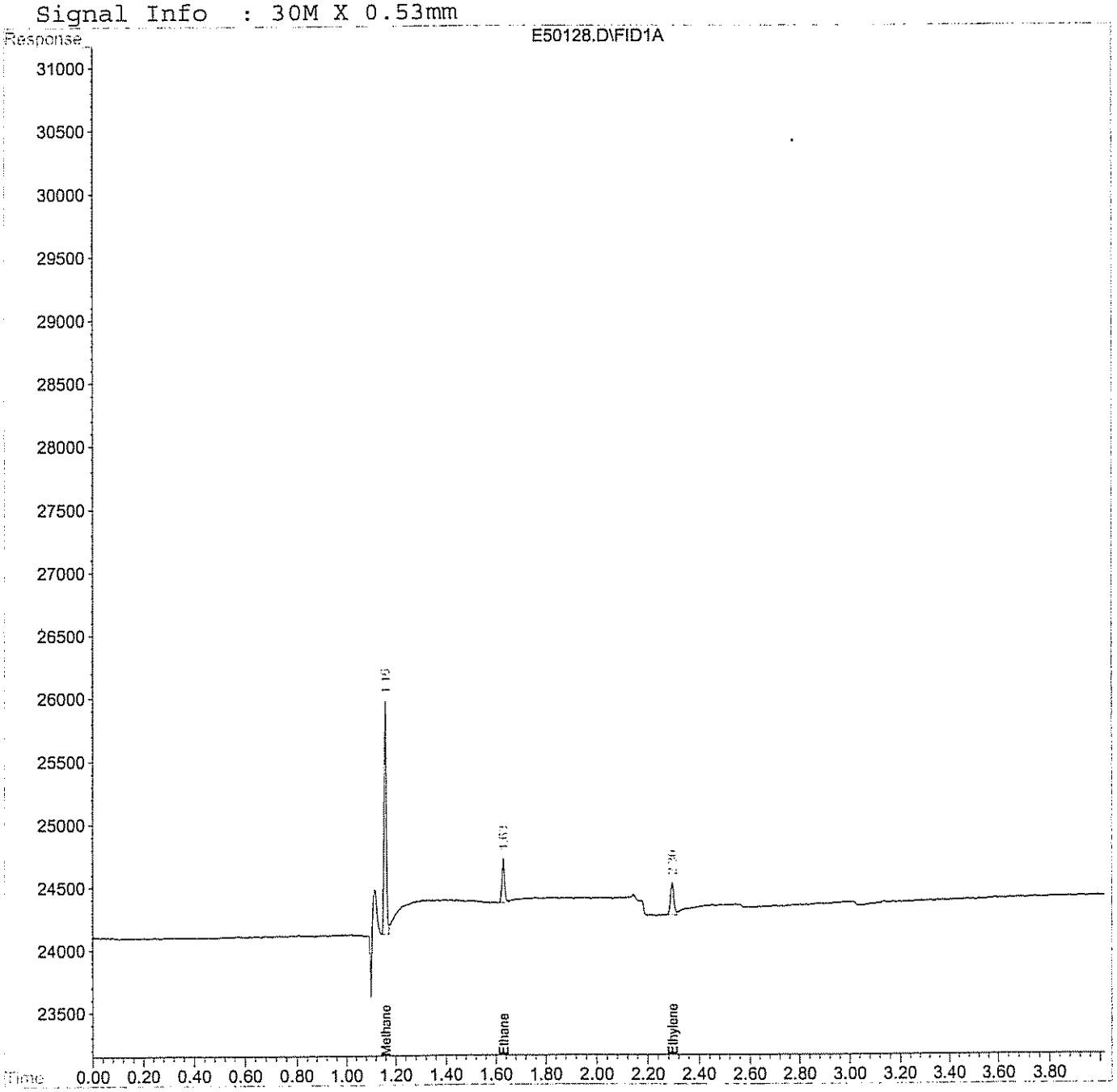
(f)=RT Delta > 1/2 Window (m)=manual int

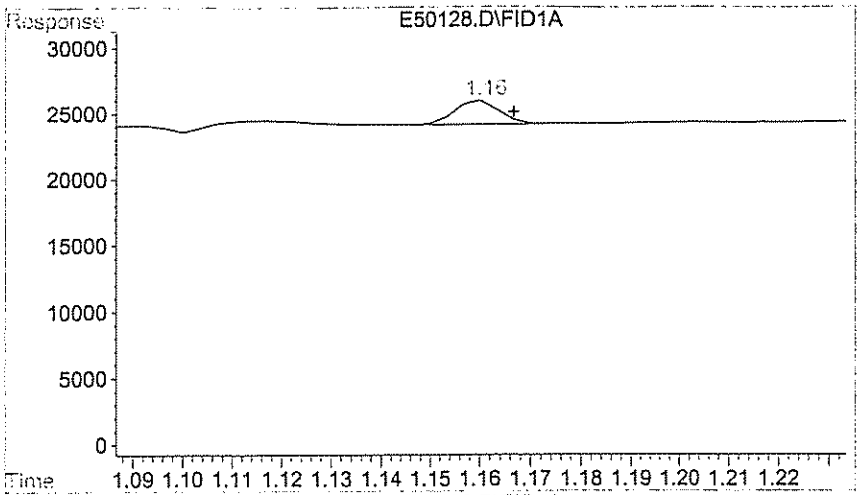
Quantitation Report

Data File : H:\GCMSDATA\E\052009\E50128.D Vial: 16
Acq On : 20 May 20109 9:4 Operator: MRH
Sample : 905068-003MS Inst : FID
Misc : OU1-16GW49-0509, CH2M, WATER, 10ML Multiplr: 1.00
IntFile : rteint.p
Quant Time: May 20 9:47 2009 Quant Results File: RSK0519.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

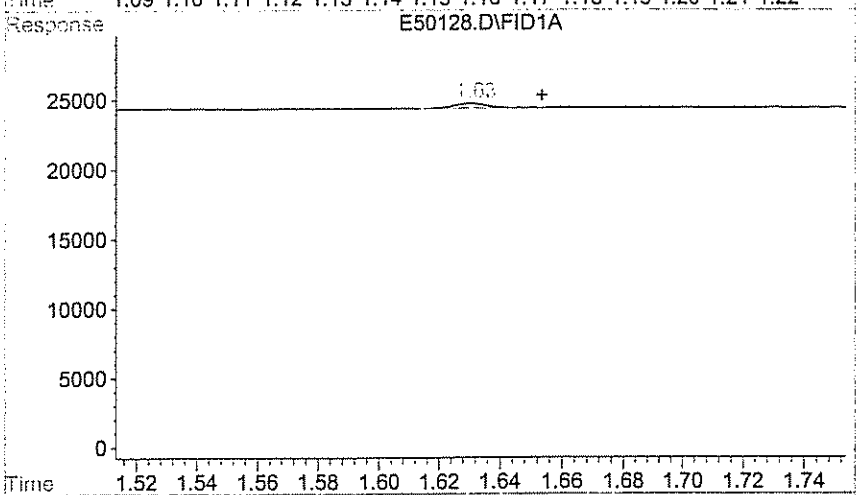
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





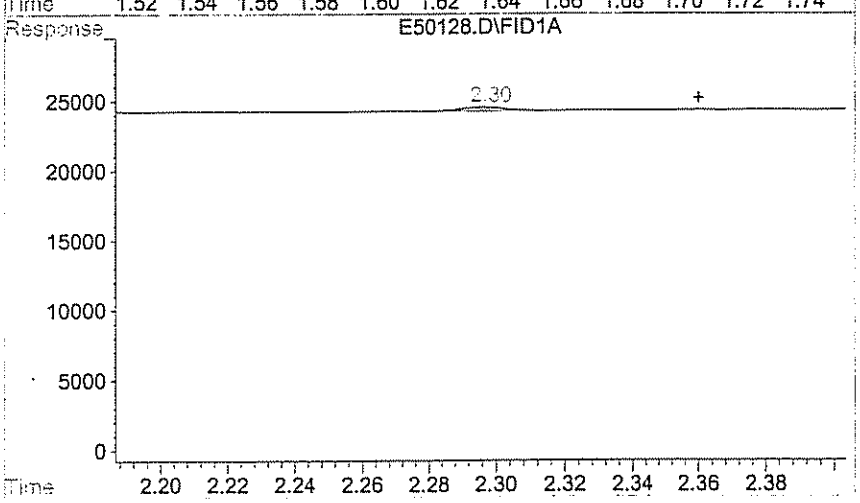
#1 Methane

R.T.: 1.160 min
Delta R.T.: -0.007 min
Response: 1148
Conc: 120.53 ppb m



#2 Ethane

R.T.: 1.630 min
Delta R.T.: -0.023 min
Response: 356
Conc: 29.84 ppb



#3 Ethylene

R.T.: 2.297 min
Delta R.T.: -0.063 min
Response: 255
Conc: 24.65 ppb

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509MSD

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-020-1/2MSD
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	24	
74-85-1	Ethene	22	
74-82-8	Methane	110	E

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\E\052009\E50129.D Vial: 17
Acq On : 20 May 20109 9:5 Operator: MRH
Sample : 905068-003MSD Inst : FID
Misc : OU1-16GW49-0509, CH2M, WATER, 10ML Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jun 3 6:52 2009 Quant Results File: RSK0519.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Initial Calibration
DataAcq Meth : GASES.M

Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm

Compound	R.T.	Response	Conc Units	
Target Compounds				
1) T Methane	1.16	1073	112.654 ppb	m
2) T Ethane	1.63	293	24.556 ppb	
3) T Ethylene	2.30	230	22.237 ppb	

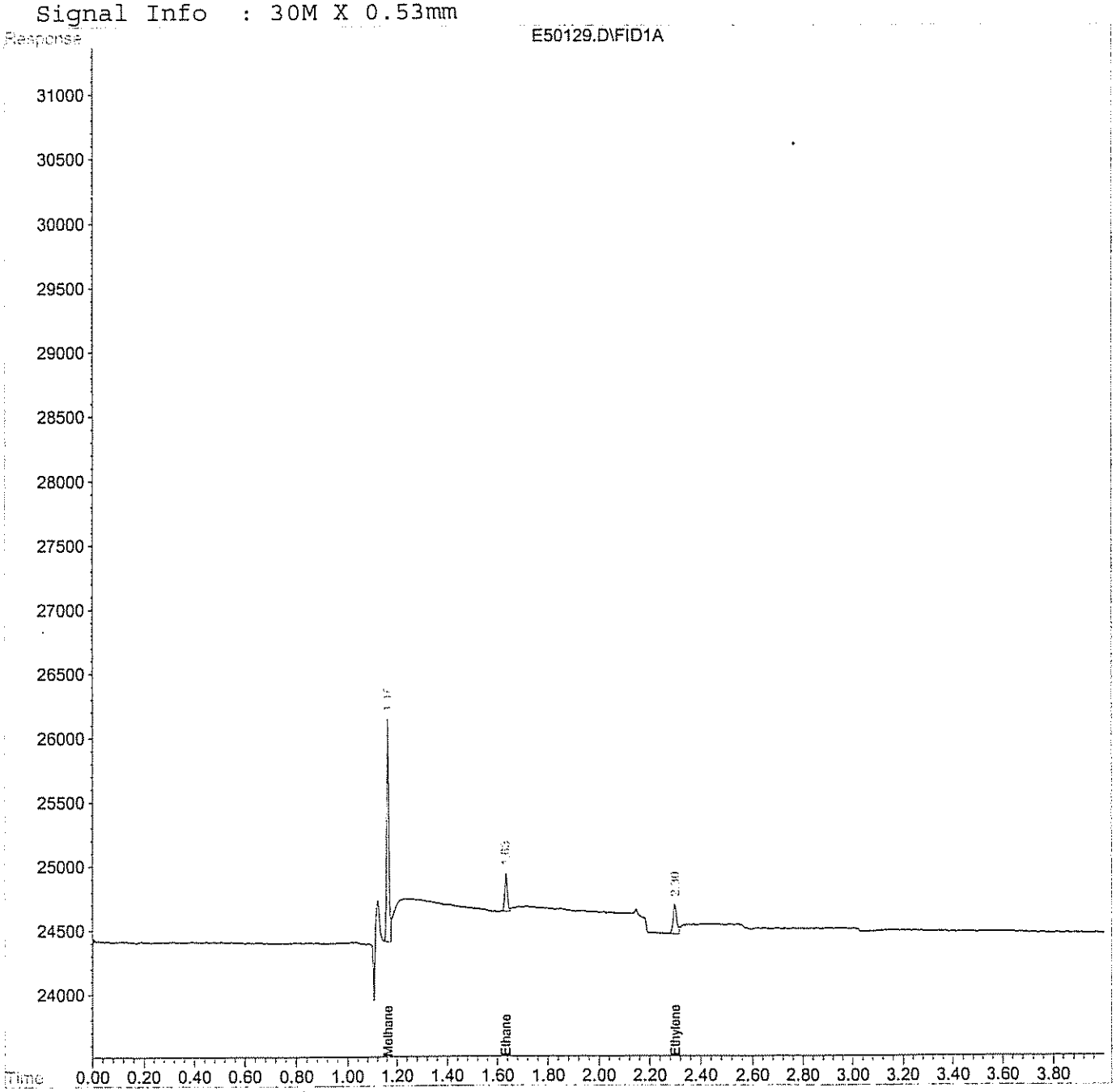
(f)=RT Delta > 1/2 Window (m)=manual int

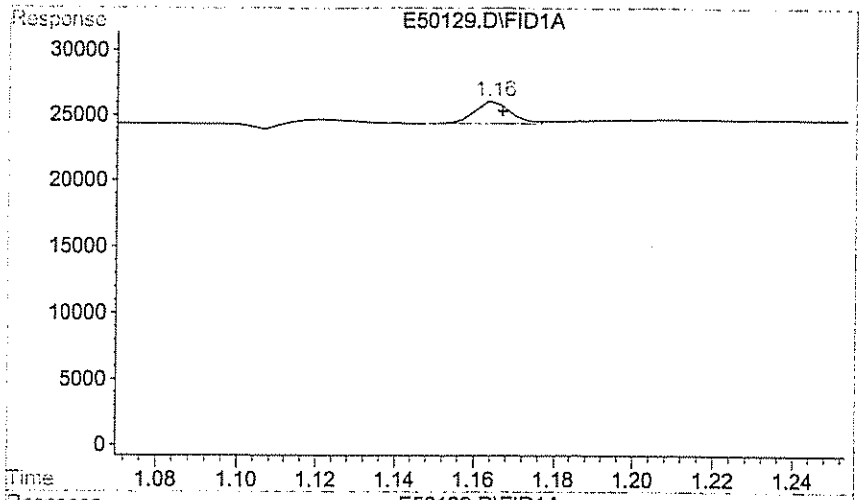
Quantitation Report

Data File : H:\GCMSDATA\E\052009\E50129.D Vial: 17
Acq On : 20 May 20109 9:5 Operator: MRH
Sample : 905068-003MSD Inst : FID
Misc : OU1-16GW49-0509, CH2M, WATER, 10ML Multiplr: 1.00
IntFile : rteint.p
Quant Time: Jun 3 6:52 2009 Quant Results File: RSK0519.RES

Quant Method : H:\GCDATA\METHODS\G_ICAL\RSK0519.M (RTE Integrator)
Title : DISSOLVED GASES
Last Update : Wed May 20 03:35:19 2009
Response via : Multiple Level Calibration
DataAcq Meth : GASES.M

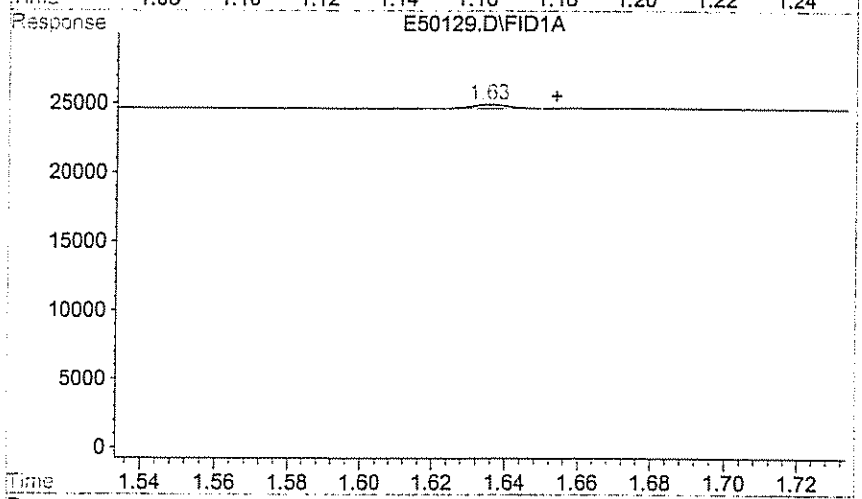
Volume Inj. : 0.5 ML
Signal Phase : CARBOXEN 1006 PLOT
Signal Info : 30M X 0.53mm





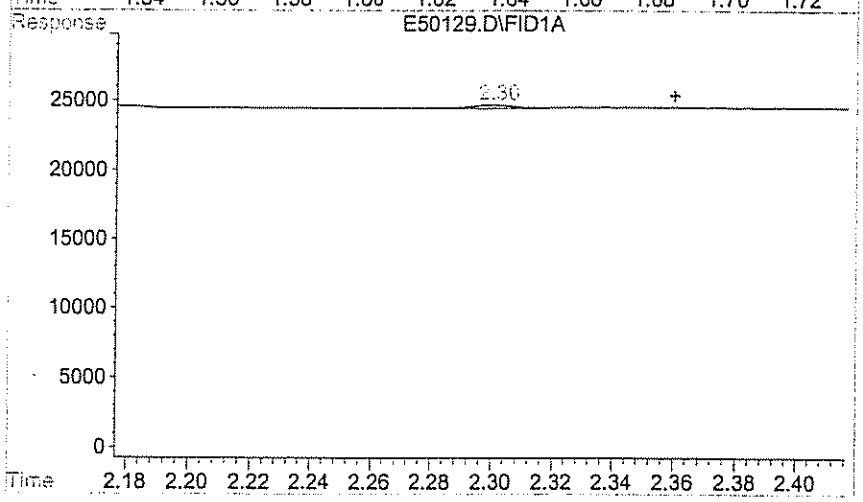
#1 Methane

R.T.: 1.163 min
Delta R.T.: -0.003 min
Response: 1073
Conc: 112.65 ppb m



#2 Ethane

R.T.: 1.633 min
Delta R.T.: -0.020 min
Response: 293
Conc: 24.56 ppb



#3 Ethylene

R.T.: 2.300 min
Delta R.T.: -0.060 min
Response: 230
Conc: 22.24 ppb

GENERAL CHEMISTRY

GPL Laboratories

A. QC Summary

1. Matrix Spike/ Matrix Spike Duplicate Summary

2. Laboratory Control Standard Summary
   (where applicable)

GPL Laboratories, LLLP

Form 3 MD/MS

WATER GENERAL CHEMISTRY DUPLICATE/MATRIX SPIKE RECOVERY

Lab Name: GPL Laboratories, LLLC Client: CH2M Hill

GPL Work-Order: 905070

Analyte	Method	Sample ID	Sample Conc. (mg/L)	Duplicate Conc. (mg/L)	RPD	RPD Limit
Sulfide	E376.1	shared /905068	BQL	BQL	N/C	15%

%RPD - 0 out of 1 outside control limits

Analyte	Method	Sample ID	Sample Conc. (mg/L)	MS Conc. (mg/L)	Spike Added (mg/L)	MS % Recov.	MS Recovery Limits
TOC	SW9060	OU1-16GW50-0509	1.98	7.48	5	110.0	85 - 115%

% Recovery - 0 out of 1 outside control limits

B. Sample Data

GPL Laboratories, LLLP

	Description	A	Sample Id	ST	Method	Results	RL Raw	R	Raw	Multiplie	Reporti	Raw	nFinal	Sort	spk	%	Raw Final
1																	
2																	
3																	
4	Sulfide	AN	905068-003-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
5	Sulfide	AN	905068-003-0	MD /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
6	Sulfide	AN	905068-005-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
7	Sulfide	AN	905068-006-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
8	Sulfide	AN	905068-007-0	SMP /	E376.1	0	2.0000	✓	1.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	1.0000
9	Sulfide	AN	905068-008-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
10	Sulfide	AN	905068-010-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
11	Sulfide	AN	905070-001-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
12	Sulfide	AN	905070-002-0	SMP /	E376.1	0	2.0000	✓	0.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	0.0000
13	Sulfide	AN	905070-004-0	SMP /	E376.1	0	2.0000	✓	1.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	1.0000
14	Sulfide	AN	905070-005-0	SMP /	E376.1	0	2.0000	✓	1.0000	.00000000	MGL	MGL	0.0000	0	0.0000	0.00	1.0000

Method Title: Sulfide (Titrimetric)
Method Reference: MCAWW 376.1 / 9031
Normality of Iodine (Avg. N): 0.0255
Detection Limit: 2.0 mg/L

Analyst: CP.
Date / Time: 5-12-09 / 9:00am
Reviewed by/Date: 5-14-09

#126257

ANALYSIS RAW DATA

Work Order	Frac.	Client ID	Sample Vol. (ml)	Iodine (ml)	Sodium Thiosulfate (ml)	Sulfide mg/L
ICV		#44135	20mls	5	4.95	3.0
ICB		Blank	20mls	5	5.10	<2.0
905068	003		20mls	5	5.10	<2.0
Rep	003		20mls	5	5.10	<2.0
	005		20mls	5	5.10	<2.0
	006		20mls	5	5.10	<2.0
	007		20mls	5	5.05	1.0 <2.0
	008		20mls	5	5.10	<2.0
	010		20mls	5	5.10	<2.0
905070	001		20mls	5	5.10	<2.0
	002		20mls	5	5.10	<2.0
	004		20mls	5	5.05	1.0 <2.0
CCV1		#44135	20mls	5	4.95	3.0
CCB1		Blank	20mls	5	5.10	<2.0
905070	005		20mls	5	5.05	1.0 <2.0
CCV2		#44135	20mls	5	4.95	3.0
CCB2		Blank	20mls	5	5.10	<2.0

CALCULATION:

1. mg/L Sulfide = $\frac{[(A \times B) - (C \times D)] \times 16000}{\text{mL Sample}}$ (0.1275)

where:
A = ml Iodine ; B = Normality of iodine;
C = ml Na2S2O3 titrant; D = Normality of Na2S2O3

* H2O Final Results = Dilution Factor X Concentration

Soil Final Results = $\frac{\text{Dilution Factor x Concentration x extract volume}}{\text{wt. of sample x \% solids}}$

	Description	A	Sample Id	ST	Method	Results	RL Raw	R	Raw	Multiplier	Reporti	Raw Unt	nFinal	Sort	spk	%
1								☐								
2								☐								
3								☐								
4	Total Organic Carbon	AN	905070-001-011-1/1	SMP	SW9060	0	1.0000	☑	0.0000	1.00000000	MGL	MGL	0.0000	0	0.0000	0.00
5	Total Organic Carbon	AN	905070-002-012-1/1	SMP	SW9060	0	1.0000	☑	0.0000	1.00000000	MGL	MGL	0.0000	0	0.0000	0.00
6	Total Organic Carbon	AN	905070-004-046-1/1	SMP	SW9060	1.98	1.0000	☑	1.9800	1.00000000	MGL	MGL	1.9800	0	0.0000	0.00
7	Total Organic Carbon	AN	905070-004-046-1/1MS	MS /	SW9060	7.48	1.0000	☑	7.4800	1.00000000	MGL	MGL	7.4800	0	5.0000	110.00
8	Total Organic Carbon	AN	905070-005-047-1/1	SMP	SW9060	0	1.0000	☑	0.0000	1.00000000	MGL	MGL	0.0000	0	0.0000	0.00

#126835

Method Title: Total Organic Carbon
Method Reference: MCAWW 415.1 / SM5310C
Lloyd Kahn / 9060

Analyst: DAH
Date: 5-24-09 / 0900
Reviewed by / Date: _____

GP ID	Client ID	Sample Vol/Wt.	D.F.	Instrument Reading	Conc.	Final Results (mg/L) / mg/Kg
#45305	ICV	20	3	12.5190	12.52	37.6
blank	ICB	20	1	0.1620	0.16	<1.0
905070-001		20	1	.0070		
				.0019	-.0008	<1.0
				-.0039		
				-.0081		
905070-002		20	1	0.1543		
				0.1544	0.1595	<1.0
				0.1630		
				0.1663		
905070-004		20	1	1.9350		
				1.9904	1.9804	1.98
				1.9902		
				2.0061		
~~#144~~ 3KH 5-24-09 #45305	CCV1	20	3	12.8505	12.85	38.6
blank	CCB1	20	1	0.1757	0.18	<1.0
905070-004MS	spike = 5.00 mL #41761	20	1	7.3738	7.4758	7.48
				7.5777		
905070-005		20	1	0.9306		
				0.8360	0.8542	<1.0
				0.7979		
				0.8521		
#45305	CCV2	20	3	12.8471	12.85	38.57
blank	CCB2	20	1	0.1842	0.18	<1.0
		UKH 5-24-09				

Calculation:
Water Final Results = (instrument reading vs.cal.curve) x dilution factor
Soil Final Results = (instrument reading vs.cal. Curve) x 0.040ml) / Sample weight (g) x % solids
(If not detected, report < 1.0)

Detailed Analysis Report Print Date/Time: 2009/05/24 11:40:37

Sample ID: 45305
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05240922
Timestamp: 05/24/2009 09:28
Sample Type: Cal. Verification

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.5190	50.0761	7739464	6.178	7.175	130

Sample ID: ICB
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05240932
Timestamp: 05/24/2009 09:37
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1620	0.6481	176638	6.039	6.925	55

Sample ID: 905070-001
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05240941
Timestamp: 05/24/2009 09:57
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.0070	0.0279	81899	5.959	6.033	120
2	0.0019	0.0076	78795	5.969	6.016	120
3	-0.0039	-0.0156	75258	5.970	5.985	120
4	-0.0081	-0.0325	72664	5.957	5.980	120

Last Message: No Sample Detected
<<<Statistics>>> Mean: -0.0008 Std Dev: 0.0066 RSD: -852.74

Sample ID: 905070-002
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241006
Timestamp: 05/24/2009 10:18
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1543	0.6172	171922	5.861	6.860	60
2	0.1544	0.6175	171959	5.891	6.887	60
3	0.1630	0.6521	177253	5.891	6.883	61
4	0.1663	0.6651	179236	5.915	6.911	61

<<<Statistics>>> Mean: 0.1595 Std Dev: 0.0061 RSD: 3.82

Sample ID: 905070-004
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241024
Timestamp: 05/24/2009 10:38
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.9350	7.7399	1259976	5.789	6.789	92
2	1.9904	7.9616	1293845	6.010	7.009	90

3	1.9902	7.9607	1293707	6.081	7.080	88
4	2.0061	8.0245	1303453	6.047	7.043	91

<<<Statistics>>> Mean: 1.9804 Std Dev: 0.0312 RSD: 1.57

Sample ID: 45305
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241040
Timestamp: 05/24/2009 10:47
Sample Type: Cal. Verification

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.8505	51.4022	7942038	5.844	6.843	138

Sample ID: CCB1
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241047
Timestamp: 05/24/2009 10:53
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1757	0.7029	185014	5.905	6.899	56

Sample ID: 905070-004MS
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241053
Timestamp: 05/24/2009 11:03
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	7.3738	29.4953	4583337	5.888	6.886	118
2	7.5777	30.3110	4707940	6.118	7.114	112

<<<Statistics>>> Mean: 7.4757 Std Dev: 0.1442 RSD: 1.93

Sample ID: 905070-005
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241105
Timestamp: 05/24/2009 11:18
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.9306	3.7224	646266	5.815	6.808	76
2	0.8360	3.3440	588461	5.890	6.882	73
3	0.7979	3.1917	565198	5.895	6.887	72
4	0.8521	3.4085	598312	5.813	6.810	73

<<<Statistics>>> Mean: 0.8542 Std Dev: 0.0558 RSD: 6.53

Sample ID: 45305
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH
Mode: UTILITY
Filename: 05241126
Timestamp: 05/24/2009 11:32
Sample Type: Cal. Verification

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.8471	51.3884	7939935	5.665	6.663	133

==========

Sample ID: CCB2
Method: Simult TOC Range 0.1 - 20 ppm C
Cal. Curve: WATER LOW
Operator ID: DH

Mode: UTILITY
Filename: 05241134
Timestamp: 05/24/2009 11:39
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1842	0.7366	190161	5.719	6.719	57

==========

C. Standard Data

1. Initial Calibration Data
2. Continuing Calibration Data

GPL Laboratories, LLLP

General Chemistry Form 2

SULFIDE CONTINUING CALIBRATION CHECK STANDARD RECOVERY

Lab Name: GPL Laboratories, LLLC

Client: CH2M Hill

Work-Order # 905070

STD Solution ID: #44135

Standard ID	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
ICV	4.00	3.00	75	70 - 130%

Standard ID	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCV1	4.00	3.00	75	70 - 130%

Standard ID	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCV2	4.00	3.00	75	70 - 130%

Method Title: Sulfide, Titrimetric, Sodium Thiosulfate
Method Reference: MCAWW 376.1 / 9031

Analyst: CA
Date / Time: 5.12.09 / 9.00am
Reviewed by/Date: 5-14-09

Instrument/Apparatus: Titration

Calibration:
Standardization Iodine Solution

Iodine Solution N = ml of Na2S2O3 X 0.025N / 5 ml of Iodine

	ID#	Vol. Used / ml	Normality
Sodium Thiosulfate	# 45578	5.10	0.025 N
Sodium Thiosulfate	# 45578	5.10	0.025 N
Iodine solution	# 45638	5	N 1= 0.0255
Iodine solution	# 45638	5	N 2= 0.0255
			Avg N = 0.0255

QC Analysis
ICV Analysis
ICV ID: #44135
T.V.: 4.0 mg/L
Acceptance Range: 70 - 130%
ICV 3.0 mg/L CCV1 3.0 mg/L CCV2 3.0 mg/L
% Rec: ICV 75% CCV1 75% CCV2 75%

Duplicate Analysis Acceptance Range: 15%
Sample ID #1: 905068-003
Init. Sample Value #1: <2.0 mg/L
Dup. Sample Value #1: <2.0 mg/L
RPD #1: 0

Sample ID #2:
Init. Sample Value #2:
Dup. Sample Value #2:
RPD #2:

LCS Analysis
LCS ID: N/A
T.V.:
F.V. #1:
% R #1:

LCS ID:
T.V.:
F.V. #2:
% R #2:

Reagent:
Starch Indicator ID: # 44045
HCL ID: # 45530

Comments:

General Chemistry Form 2

TOTAL ORGANIC CARBON CONTINUING CALIBRATION CHECK STANDARD RECOVERY

Lab Name: GPL Laboratories, LLLC

Client: CH2M Hill

Work-Order # 905070

STD Solution ID: #45305

Standard ID	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
ICV	37.0	37.6	101.6	90 - 110%

Standard ID	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCV1	37.0	38.6	104.3	90 - 110%

Standard ID	Control Std True Value (mg/L)	Standard Concentration (mg/L)	Standard %Recovery	Recovery Control Limits
CCV2	37.0	38.5	104.1	90 - 110%

GPL Laboratories, LLC

Document Control No: GP_TOC_125

Method Title: Total Organic Carbon
Method Reference:MCAWW 415.1 / SM5310C/MCAWW415.2
Lloyd Kahn / 9060

Analyst: DAM
Date: 5-24-09 / 0900
Reviewed by / Date: _____

Instrument/Apparatus: Pheonix 8000 - #G

Calibration:

A. 1000ppm Stock Standard Solution
B. 2000ppm Working Standard Solution
C. 10ppm Working Standard Solution

ID: #41761

Calibration Curve:

Std. Conc. mg/L	ml Stock Solution	F.V. ml	Instrument Reading
0		100	99421
1.0		100	696265
2.5		100	1601749
5.0		100	3175560
10		100	6124574
15		100	9349585
20		100	12272438
		100	

Corr. Coeff: (≥ 0.9950) .99987
y-Intercept: 89838
Slope: 1.528 x 10^5
System Blank: 77401

QC Analysis

QC ID: #45305
T.V.: 37.6 mg/L

Acceptance Range: 90-110%
Found Value:
ICV 37.6 mg/L
% Recovery:
ICV 102%

CCV1 38.6 mg/L CCV2 38.5 mg/L
CCV1 104% CCV2 104%

Matrix Spike Analysis:

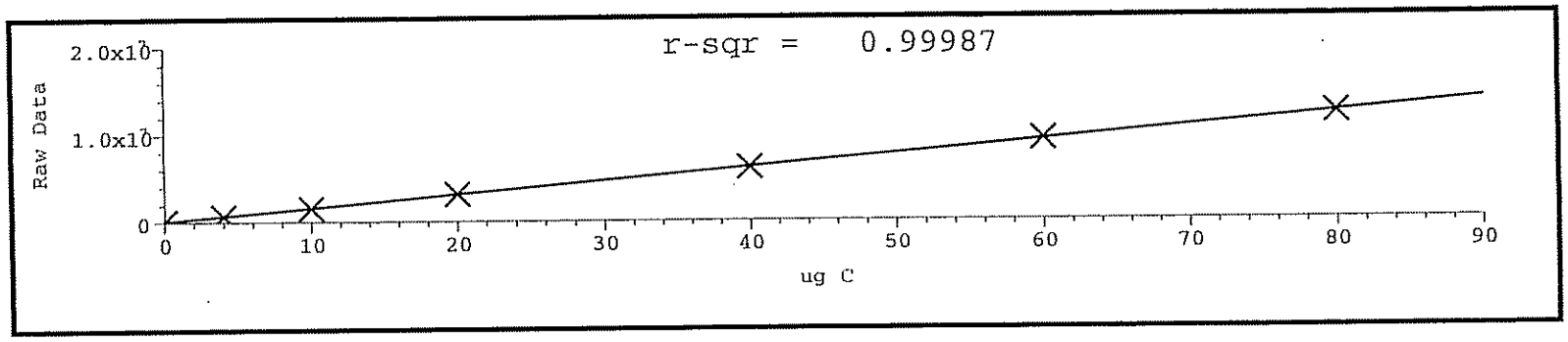
Spike Acceptance Range: 15%
Sample ID #1 905076-004 Sample ID #2 _____
Sample Value #1 1.98 mg/L Sample Value #2: _____
Spike Sample Value #1 7.48 mg/L #2: _____
Spike Amount: 5.00 mg/L #41761
% Recovery #1 110% #2: _____

Duplicate Analysis

Dup Acceptance Range: 15%
Sample ID #1 / #2 _____ / _____
Init. Samp. Value #1 / #2 _____ / _____
Dup. Samp. Value #1 / #2 _____ / _____
RPD #1 / #2 _____ / _____

Comments: samples run in quadruplicate

Supersedes GP_TOC_124



Calibration Report Print Date/Time: 2009/05/24 11:30:40

Cal. Curve ID: WATER LOW
Created: 02/25/2009 14:35
Calibration Factor (m): 1.528e+05
Y Intercept (b): 89838
r-squared: 0.99987

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
Blank	99421	0.000	0.063		02/25/2009 13:25
1ppm	696265	4.000	3.970		02/25/2009 13:32
2.5ppm	1601749	10.000	9.897		02/25/2009 13:39
5ppm	3175560	20.000	20.200		02/25/2009 13:46
10ppm	6124574	40.000	39.505		02/25/2009 13:54
20ppm	12272438	80.000	79.750		02/25/2009 14:16
15ppm	9349585	60.000	60.616		02/25/2009 14:34

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109736

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109736
Sample Volume :	1000	Lab File ID :	U0319526.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	4.2	
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	3.7	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109736

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109736
Sample Volume :	1000	Lab File ID :	U0319525.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-031-1/2
Sample Volume :	1000	Lab File ID :	U0319528.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-029-1/2
Sample Volume :	1000	Lab File ID :	U0319527.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109913
Sample Volume :	5	Lab File ID :	A64055.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	
71-55-6	1,1,1-Trichloroethane	51	
79-34-5	1,1,2,2-Tetrachloroethane	43	
79-00-5	1,1,2-Trichloroethane	48	
75-34-3	1,1-Dichloroethane	50	
75-35-4	1,1-Dichloroethene	45	
563-58-6	1,1-Dichloropropene	46	
87-61-6	1,2,3-Trichlorobenzene	45	
96-18-4	1,2,3-Trichloropropane	47	
120-82-1	1,2,4-Trichlorobenzene	45	
95-63-6	1,2,4-Trimethylbenzene	49	
96-12-8	1,2-Dibromo-3-Chloropropane	43	
106-93-4	1,2-Dibromoethane	51	
95-50-1	1,2-Dichlorobenzene	48	
107-06-2	1,2-Dichloroethane	51	
78-87-5	1,2-Dichloropropane	54	
108-67-8	1,3,5-trimethylbenzene	51	
541-73-1	1,3-Dichlorobenzene	47	
142-28-9	1,3-Dichloropropane	49	
106-46-7	1,4-Dichlorobenzene	48	
594-20-7	2,2-Dichloropropane	46	
78-93-3	2-Butanone	72	
95-49-8	2-Chlorotoluene	46	
591-78-6	2-Hexanone	78	
106-43-4	4-Chlorotoluene	47	
99-87-6	4-Isopropyltoluene	50	
108-10-1	4-Methyl-2-Pentanone	86	
67-64-1	Acetone	58	
71-43-2	Benzene	42	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109913
Sample Volume :	5	Lab File ID :	A64055.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	50	
74-97-5	Bromochloromethane	42	
75-27-4	Bromodichloromethane	55	
75-25-2	Bromoform	52	
74-83-9	Bromomethane	33	
75-15-0	Carbon Disulfide	38	
56-23-5	Carbon Tetrachloride	52	
108-90-7	Chlorobenzene	49	
75-00-3	Chloroethane	44	
67-66-3	Chloroform	41	
74-87-3	Chloromethane	76	
110-82-7	Cyclohexane	59	
124-48-1	Dibromochloromethane	54	
74-95-3	Dibromomethane	45	
75-71-8	Dichlorodifluoromethane	150	
100-41-4	Ethylbenzene	50	
76-13-1	Freon 113	56	
87-68-3	Hexachlorobutadiene	47	
98-82-8	Isopropylbenzene	52	
79-20-9	Methyl Acetate	38	
108-87-2	Methylcyclohexane	56	
75-09-2	Methylene Chloride	44	
91-20-3	Naphthalene	41	
135-98-8	Sec-Butylbenzene	51	
100-42-5	Styrene	50	
127-18-4	Tetrachloroethylene	51	
108-88-3	Toluene	50	
79-01-6	Trichloroethene	50	
75-69-4	Trichlorofluoromethane	55	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109913
Sample Volume :	5	Lab File ID :	A64055.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	26	
75-01-4	Vinyl Chloride	68	
156-59-2	cis-1,2-Dichloroethene	44	
10061-01-5	cis-1,3-Dichloropropene	50	
136777-61-2	m,p-Xylene	99	
104-51-8	n-Butylbenzene	50	
103-65-1	n-Propylbenzene	50	
95-47-6	o-Xylene	51	
98-06-6	tert-Butylbenzene	50	
1634-04-4	tert-butyl methyl ether	48	
156-60-5	trans-1,2-dichloroethene	45	
10061-02-6	trans-1,3-dichloropropene	48	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109914
Sample Volume :	5	Lab File ID :	A64087.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	52	
71-55-6	1,1,1-Trichloroethane	53	
79-34-5	1,1,2,2-Tetrachloroethane	47	
79-00-5	1,1,2-Trichloroethane	52	
75-34-3	1,1-Dichloroethane	52	
75-35-4	1,1-Dichloroethene	49	
563-58-6	1,1-Dichloropropene	49	
87-61-6	1,2,3-Trichlorobenzene	50	
96-18-4	1,2,3-Trichloropropane	59	
120-82-1	1,2,4-Trichlorobenzene	48	
95-63-6	1,2,4-Trimethylbenzene	50	
96-12-8	1,2-Dibromo-3-Chloropropane	60	
106-93-4	1,2-Dibromoethane	56	
95-50-1	1,2-Dichlorobenzene	50	
107-06-2	1,2-Dichloroethane	54	
78-87-5	1,2-Dichloropropane	55	
108-67-8	1,3,5-trimethylbenzene	52	
541-73-1	1,3-Dichlorobenzene	49	
142-28-9	1,3-Dichloropropane	53	
106-46-7	1,4-Dichlorobenzene	48	
594-20-7	2,2-Dichloropropane	36	
78-93-3	2-Butanone	100	
95-49-8	2-Chlorotoluene	48	
591-78-6	2-Hexanone	110	
106-43-4	4-Chlorotoluene	48	
99-87-6	4-Isopropyltoluene	50	
108-10-1	4-Methyl-2-Pentanone	120	
67-64-1	Acetone	85	
71-43-2	Benzene	43	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109914
Sample Volume :	5	Lab File ID :	A64087.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	50	
74-97-5	Bromochloromethane	46	
75-27-4	Bromodichloromethane	57	
75-25-2	Bromoform	58	
74-83-9	Bromomethane	31	
75-15-0	Carbon Disulfide	43	
56-23-5	Carbon Tetrachloride	54	
108-90-7	Chlorobenzene	50	
75-00-3	Chloroethane	40	
67-66-3	Chloroform	42	
74-87-3	Chloromethane	73	
110-82-7	Cyclohexane	64	
124-48-1	Dibromochloromethane	56	
74-95-3	Dibromomethane	50	
75-71-8	Dichlorodifluoromethane	140	
100-41-4	Ethylbenzene	51	
76-13-1	Freon 113	58	
87-68-3	Hexachlorobutadiene	49	
98-82-8	Isopropylbenzene	52	
79-20-9	Methyl Acetate	52	
108-87-2	Methylcyclohexane	60	
75-09-2	Methylene Chloride	44	
91-20-3	Naphthalene	52	
135-98-8	Sec-Butylbenzene	51	
100-42-5	Styrene	51	
127-18-4	Tetrachloroethylene	94	
108-88-3	Toluene	51	
79-01-6	Trichloroethene	54	
75-69-4	Trichlorofluoromethane	54	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BKS109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BKS109914
Sample Volume :	5	Lab File ID :	A64087.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	61	
75-01-4	Vinyl Chloride	63	
156-59-2	cis-1,2-Dichloroethene	46	
10061-01-5	cis-1,3-Dichloropropene	49	
136777-61-2	m,p-Xylene	100	
104-51-8	n-Butylbenzene	50	
103-65-1	n-Propylbenzene	50	
95-47-6	o-Xylene	52	
98-06-6	tert-Butylbenzene	51	
1634-04-4	tert-butyl methyl ether	54	
156-60-5	trans-1,2-dichloroethene	47	
10061-02-6	trans-1,3-dichloropropene	51	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109913
Sample Volume :	5	Lab File ID :	A64057.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109913
Sample Volume :	5	Lab File ID :	A64057.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109913

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109913
Sample Volume :	5	Lab File ID :	A64057.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109914
Sample Volume :	5	Lab File ID :	A64089.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109914
Sample Volume :	5	Lab File ID :	A64089.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK109914

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK109914
Sample Volume :	5	Lab File ID :	A64089.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-036-1/3
Sample Volume :	5	Lab File ID :	A64093.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-036-1/3
Sample Volume :	5	Lab File ID :	A64093.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	2.8	
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	19	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-036-1/3
Sample Volume :	5	Lab File ID :	A64093.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	16	
156-59-2	cis-1,2-Dichloroethene	120	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	3.7	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-004-1/3
Sample Volume :	5	Lab File ID :	A64079.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-004-1/3
Sample Volume :	5	Lab File ID :	A64079.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.5	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-004-1/3
Sample Volume :	5	Lab File ID :	A64079.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-039-1/3
Sample Volume :	5	Lab File ID :	A64095.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-039-1/3
Sample Volume :	5	Lab File ID :	A64095.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.8	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-039-1/3
Sample Volume :	5	Lab File ID :	A64095.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-001-1/3
Sample Volume :	5	Lab File ID :	A64077.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-001-1/3
Sample Volume :	5	Lab File ID :	A64077.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-001-1/3
Sample Volume :	5	Lab File ID :	A64077.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-TB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-003-033-1/3
Sample Volume :	5	Lab File ID :	A64091.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-TB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-003-033-1/3
Sample Volume :	5	Lab File ID :	A64091.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	68	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-TB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-003-033-1/3
Sample Volume :	5	Lab File ID :	A64091.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

Attachment D
Data Validation Reports

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903062

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-EB-031009	903062-001	Water
2	OU1-FB-031009	903062-002	Water
3	OU1-16GW16-0309	903062-003	Water
4	OU1-MW51-0309	903062-004	Water
4DL	OU1-MW51-0309DL	903062-004DL	Water
5	OU1-MW50-0309	903062-005	Water
5DL	OU1-MW50-0309DL	903062-005DL	Water
6	OU1-16GW01-0309	903062-006	Water
6MS	OU1-16GW01-0309MS	903062-006MS	Water
6MSD	OU1-16GW01-0309MSD	903062-006MSD	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	Methane	5.4	27.0	U	3, 4DL, 5DL
OU1-FB-031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-001-022-1/2
Sample Volume :	10	Lab File ID :	G262573.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/20/2009
Extract Volume:	10 mL	Date Analyzed	03/20/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	5.4	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-FB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-002-024-1/2
Sample Volume :	10	Lab File ID :	G262574.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/20/2009
Extract Volume:	10 mL	Date Analyzed	03/20/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-16GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-003-026-1/2
Sample Volume :	10	Lab File ID :	G262575.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/20/2009
Extract Volume:	10 mL	Date Analyzed	03/20/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	11	

U BL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-MW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-028-1/2
Sample Volume :	10	Lab File ID :	G262576.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/20/2009
Extract Volume:	10 mL	Date Analyzed	03/20/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1200 ~~1200~~	~~E~~

JLR

MW 5/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OUI-MW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-029-2/2
Sample Volume :	.2	Lab File ID :	G262596.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/23/2009
Extract Volume:	.2 mL	Date Analyzed	03/23/2009
Injection Volume :	µ L	Dilution Factor :	50
GPC Clean up (Y/N):	pH:		

Use Orig. NAC

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	900	

U BL

R DU

LW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OUI-MW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-030-1/2
Sample Volume :	10	Lab File ID :	G262577.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/20/2009
Extract Volume:	10 mL	Date Analyzed	03/20/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	420 ~~420~~	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OUI-MW50-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-031-2/2
Sample Volume :	.5	Lab File ID :	G262597.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/23/2009
Extract Volume:	.5 mL	Date Analyzed	03/23/2009
Injection Volume :	µL	Dilution Factor :	20
GPC Clean up (Y/N):	pH:		

Use ORIGINAL

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	87	

U BL

R DL

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OUI-16GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-006-032-1/2
Sample Volume :	10	Lab File ID :	G262578.D
% Moisture:		Date Received	03/11/2009
Extraction:	SW5030B	Date Extracted:	03/20/2009
Extract Volume:	10 mL	Date Analyzed	03/20/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903062

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-EB-031009	903062-001	Water
2	OU1-FB-031009	903062-002	Water
3	OU1-16GW16-0309	903062-003	Water
4	OU1-MW51-0309	903062-004	Water
5	OU1-MW50-0309	903062-005	Water
6	OU1-16GW01-0309	903062-006	Water
7	OU1-TB01-0309	903062-007	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/23/09	Bromomethane	213%	J/UJ	All samples

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
5	Toluene-d8	121%	None - All ND
7	Toluene-d8	122%	None - All ND

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108777	Bromomethane	240%	None	All ND
	Chloroethane	172%	None	All ND
	Toluene	126%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	None - ND	-	-	-	-
OU1-FB-031009	None - ND	-	-	-	-
OU1-TB01-0309	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

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SAMPLE NO
OUI-EB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-001-001-1/3
Sample Volume :	5	Lab File ID :	A62447.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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1

SAMPLE NO
OUI-EB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-001-001-1/3
Sample Volume :	5	Lab File ID :	A62447.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OUI-EB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-001-001-1/3
Sample Volume :	5	Lab File ID :	A62447.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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2

SAMPLE NO
OUI-FB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-002-004-1/3
Sample Volume :	5	Lab File ID :	A62449.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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2

SAMPLE NO
OUI-FB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-002-004-1/3
Sample Volume :	5	Lab File ID :	A62449.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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2

SAMPLE NO
OUI-FB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-002-004-1/3
Sample Volume :	5	Lab File ID :	A62449.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OUI-16GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-003-007-1/3
Sample Volume :	5	Lab File ID :	A62451.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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3

SAMPLE NO
OUI-16GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-003-007-1/3
Sample Volume :	5	Lab File ID :	A62451.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	16	
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	2.6	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.3	
75-69-4	Trichlorofluoromethane	1.0	U

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3

SAMPLE NO
OUI-16GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-003-007-1/3
Sample Volume :	5	Lab File ID :	A62451.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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4

SAMPLE NO
OUI-MW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-010-1/3
Sample Volume :	5	Lab File ID :	A62453.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
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4

SAMPLE NO
OUI-MW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-010-1/3
Sample Volume :	5	Lab File ID :	A62453.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OUI-MW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-010-1/3
Sample Volume :	5	Lab File ID :	A62453.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OUI-MW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-013-1/3
Sample Volume :	5	Lab File ID :	A62455.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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SAMPLE NO
OUI-MW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-013-1/3
Sample Volume :	5	Lab File ID :	A62455.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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ANALYSIS DATA SHEET

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SAMPLE NO
OUI-MW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-013-1/3
Sample Volume :	5	Lab File ID :	A62455.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OUI-16GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-006-016-1/3
Sample Volume :	5	Lab File ID :	A62457.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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SAMPLE NO
OUI-16GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-006-016-1/3
Sample Volume :	5	Lab File ID :	A62457.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OUI-16GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-006-016-1/3
Sample Volume :	5	Lab File ID :	A62457.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OUI-TB01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-007-019-1/3
Sample Volume :	5	Lab File ID :	A62459.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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SAMPLE NO
OUI-TB01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-007-019-1/3
Sample Volume :	5	Lab File ID :	A62459.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OUI-TB01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-007-019-1/3
Sample Volume :	5	Lab File ID :	A62459.D
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903062

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-EB-031009	903062-001	Water
1MS**	OU1-EB-031009MS	903062-001MS	Water
2	OU1-FB-031009	903062-002	Water
2MS**	OU1-FB-031009MS	903062-002MS	Water
3	OU1-16GW16-0309	903062-003	Water
4	OU1-MW51-0309	903062-004	Water
5	OU1-MW50-0309	903062-005	Water
5MS*	OU1-MW50-0309MS	903062-005MS	Water
6	OU1-16GW01-0309	903062-006	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for each parameter.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	3-6
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
5	Chloride	76.7%	J/UJ	1-6
	Nitrite	117%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-001-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	3.9	J MSL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

LW
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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-FB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-002-035-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	~~U~~ UJ MSL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

hw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-16GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-003-036-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ BL MSL

CW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-MW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ ~~B~~L MSL

JW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OUI-MW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OUI-MW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	19	

UJ BL MSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OUI-16GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-006-039-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/11/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/11/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.4	
14797-55-8	Nitrate	0.15	
7727-37-9	Nitrite	0.10	U

UJ BL MSL

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-EB-031009

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903062
Case No.:		SDG NO.:	903062
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903062-001-040-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	U
7440-44-0	Total Organic Carbon, Replicate 2	1.0	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.0	U

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2

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-FB-031009

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903062
Case No.:		SDG NO.:	903062
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903062-002-047-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	U
7440-44-0	Total Organic Carbon, Replicate 2	1.0	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.0	U

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW16-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903062
Case No.:		SDG NO.:	903062
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903062-003-048-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	7.1	
7440-44-0	Total Organic Carbon, Replicate 2	7.1	
7440-44-0	Total Organic Carbon, Replicate 3	7.0	
7440-44-0	Total Organic Carbon, Replicate 4	7.0	
7440-44-0	Total Organic Carbon, Average	7.0	

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4

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW51-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903062
Case No.:		SDG NO.:	903062
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903062-004-049-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.3	
7440-44-0	Total Organic Carbon, Replicate 2	5.3	
7440-44-0	Total Organic Carbon, Replicate 3	5.3	
7440-44-0	Total Organic Carbon, Replicate 4	5.3	
7440-44-0	Total Organic Carbon, Average	5.3	

FORM I SW9060

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5/9/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW5D-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903062
Case No.:		SDG NO.:	903062
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903062-005-050-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	9.5	
7440-44-0	Total Organic Carbon, Replicate 2	9.5	
7440-44-0	Total Organic Carbon, Replicate 3	9.5	
7440-44-0	Total Organic Carbon, Replicate 4	9.5	
7440-44-0	Total Organic Carbon, Average	9.5	

MW 5/19/09

6

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW01-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903062
Case No.:		SDG NO.:	903062
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903062-006-051-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.3	
7440-44-0	Total Organic Carbon, Replicate 2	3.1	
7440-44-0	Total Organic Carbon, Replicate 3	3.0	
7440-44-0	Total Organic Carbon, Replicate 4	3.0	
7440-44-0	Total Organic Carbon, Average	3.1	

FORM I SW9060

MW
5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-001-040-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw
5/9/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-FB-031009

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-002-041-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/9/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-16GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-003-042-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/9/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-MW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-004-043-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/9/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OUI-MW5D-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-005-044-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OUI-16GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903062
Case No. :		SDG NO :	903062
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903062-006-045-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/11/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/9/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903069

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW09-0309	903069-001	Water
2	OU1-16GW40-0309	903069-002	Water
2DL	OU1-16GW40-0309DL	903069-002DL	Water
2DLMS	OU1-16GW40-0309DLMS	903069-002DLMS	Water
2DLMSD	OU1-16GW40-0309DLMSD	903069-002DLMSD	Water
3	OU1-16GW41-0309	903069-003	Water
3DL	OU1-16GW41-0309DL	903069-003DL	Water
4	OU1-16GW03-0309	903069-004	Water
4DL	OU1-16GW03-0309DL	903069-004DL	Water
5	OU1-16GW42-0309	903069-005	Water
5DL	OU1-16GW42-0309DL	903069-005DL	Water
6	OU1-16GW04-0309	903069-006	Water
6DL	OU1-16GW04-0309DL	903069-006DL	Water
7	OU1-16GW02-0309	903069-007	Water
7MS	OU1-16GW02-0309MS	903069-007MS	Water
7MSD	OU1-16GW02-0309MSD	903069-007MSD	Water
7DL	OU1-16GW02-0309DL	903069-007DL	Water
8	OU1-MW48-0309	903069-008	Water
8DL	OU1-MW48-0309DL	903069-008DL	Water
9	OU1-MW12-0309	903069-009	Water
9DL	OU1-MW12-0309DL	903069-009DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
2DL	Methane	44%/25%/55	None - Already qualified
5	Methane	Ok/69%/Ok	None - Already qualified

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	Methane	5.4	27	U	1, 2DL, 3DL, 4DL, 5DL, 7DL, 8DL, 9DL
OU1-FB-031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-001-043-1/2
Sample Volume :	10	Lab File ID :	G262598.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	17	

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-069-1/6
Sample Volume :	10	Lab File ID :	G262599.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	150	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-16GW40-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-070-2/6
Sample Volume :	1	Lab File ID :	G262601.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	200	

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MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-031-1/2
Sample Volume :	10	Lab File ID :	G262606.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	5.9	J
74-85-1	Ethene	5.8	U
74-82-8	Methane	1400	~~E~~ J LR

5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-16GW41-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-032-2/2
Sample Volume :	.1	Lab File ID :	G262609.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	880	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-033-1/2
Sample Volume :	10	Lab File ID :	G262607.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	790	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-16GW03-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-034-2/2
Sample Volume :	.2	Lab File ID :	G262610.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	290	

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MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-035-1/2
Sample Volume :	10	Lab File ID :	G262608.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	4.2	J
74-85-1	Ethene	5.8	U
74-82-8	Methane	1100	~~E~~ J LR

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW42-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-036-2/2
Sample Volume :	.1	Lab File ID :	G262611.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	1200	

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LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-037-1/2
Sample Volume :	10	Lab File ID :	G262612.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	650 ~~370~~	~~E~~ R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-16GW04-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-038-2/2
Sample Volume :	.5	Lab File ID :	G262614.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	650	

R DL

RWS 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-007-063-1/6
Sample Volume :	10	Lab File ID :	G262613.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1500J ~~1500~~	~~E~~ LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

70L

SAMPLE NO
OU1-16GW02-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-007-064-2/6
Sample Volume :		Lab File ID :	G262615.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	2000	

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MW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-039-1/2
Sample Volume :	10	Lab File ID :	G262621.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	760	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-MW48-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-040-2/2
Sample Volume :	.2	Lab File ID :	G262623.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Orig. NAC

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	610	U BL

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LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-041-1/2
Sample Volume :	10	Lab File ID :	G262622.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	980J ~~980~~	~~E~~ LR

5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-MW12-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-042-2/2
Sample Volume :	.2	Lab File ID :	G262624.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	470	

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MW 6/3/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903069

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW09-0309	903069-001	Water
2	OU1-16GW40-0309	903069-002	Water
2DL	OU1-16GW40-0309DL	903069-002DL	Water
2DLMS	OU1-16GW40-0309DLMS	903069-002DLMS	Water
2DLMSD	OU1-16GW40-0309DLMSD	903069-002DLMSD	Water
3	OU1-16GW41-0309	903069-003	Water
4	OU1-16GW03-0309	903069-004	Water
5	OU1-16GW42-0309	903069-005	Water
5DL	OU1-16GW42-0309DL	903069-005DL	Water
6	OU1-16GW04-0309	903069-006	Water
6DL	OU1-16GW04-0309DL	903069-006DL	Water
7	OU1-16GW02-0309	903069-007	Water
7MS	OU1-16GW02-0309MS	903069-007MS	Water
7MSD	OU1-16GW02-0309MSD	903069-007MSD	Water
8	OU1-MW48-0309	903069-008	Water
9	OU1-MW12-0309	903069-009	Water
10	OU1-TB02-0309	903069-010	Water
11	OU1-TB03-0309	903069-011	Water
12	OU1-TB04-0309	903069-012	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/23/09	Bromomethane	213%	J/UJ	3, 5
	1,2-Dibromo-3-chloropropane	0.048 RRF	J/R	3, 5
03/24/09	Bromomethane	191%	J/UJ	9-12
	1,2-Dibromo-3-chloropropane	0.049 RRF	J/R	9-12
03/25/09	Bromomethane	167%	J/UJ	2, 5DL, 6DL, 7

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
2	Benzene	Ok/78%/Ok	J/UJ
	Bromomethane	182%/178%/Ok	None - All ND
	Freon 113	128%/124%/Ok	None - Dilution used
7	1,1,1-Trichloroethane	Ok/134%/Ok	None - All ND
	1,2-Dichlorobenzene	Ok/122%/Ok	None - All ND
	Acetone	146%/168%/Ok	None - All ND
	Bromobenzene	Ok/126%/Ok	None - All ND
	Bromochloromethane	Ok/144%/Ok	None - All ND
	Bromomethane	196%/220%/Ok	None - All ND
	Carbon tetrachloride	Ok/146%/Ok	None - All ND
	Chloroethane	156%/178%/Ok	None - All ND
	Cyclohexane	Ok/124%/Ok	None - All ND
	Freon 113	166%/170%/Ok	J
	Methylcyclohexane	124%/132%/Ok	None - All ND
	Toluene	Ok/122%/Ok	None - All ND
	Trichlorofluoromethane	158%/194%/Ok	None - All ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108811	2-Butanone	16%	J/UJ	1, 2, 4, 6, 8
	Chloromethane	134%	J	6
BKS108821	Bromomethane	240%	None	All ND
	Chloroethane	172%	None	All ND
	Toluene	126%	None	All ND
BKS108826	1,1,2-Trichloroethane	126%	None	All ND
	Bromochloromethane	134%	None	All ND
	Bromodichloromethane	124%	None	All ND
	Bromomethane	240%	None	All ND
	Chloroethane	138%	None	All ND

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108826	Toluene	128%	None	All ND
BKS108829	Acetone	164%	None	All ND
	Bromomethane	260%	None	All ND
	Vinyl acetate	300%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-TB02-0309	None - ND	-	-	-	-
OU1-TB03-0309	None - ND	-	-	-	-
OU1-TB04-0309	None - ND	-	-	-	-
OU1-EB-031009	None - ND	-	-	-	-
OU1-FB-031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The laboratory diluted and reanalyzed samples. The reviewer replaced the original results with the dilution results. The original form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-001-028-1/3
Sample Volume :	5	Lab File ID :	A62458.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ BSL
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-001-028-1/3
Sample Volume :	5	Lab File ID :	A62458.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

LWS 5/9/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-001-028-1/3
Sample Volume :	5	Lab File ID :	A62458.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-054-1/9
Sample Volume :	5	Lab File ID :	A62460.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	2.1		
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.8		
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	6.2		
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	~~U~~	UJ BSL
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	~~U~~	UJ MSL
108-86-1	Bromobenzene	1.0	U	

lw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-054-1/9
Sample Volume :	5	Lab File ID :	A62460.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	150 ~~230~~	~~E~~ R DL
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	8.0	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	11	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-054-1/9
Sample Volume :	5	Lab File ID :	A62460.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	8.8	
156-59-2	cis-1,2-Dichloroethene	16	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.7	
10061-02-6	trans-1,3-dichloropropene	1.0	U

lw 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-16GW40-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-055-2/9
Sample Volume :	.5	Lab File ID :	A62517.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-16GW40-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-055-2/9
Sample Volume :	.5	Lab File ID :	A62517.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	150	
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U

MW 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-16GW40-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-055-2/9
Sample Volume :	.5	Lab File ID :	A62517.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-016-1/3
Sample Volume :	5	Lab File ID :	A62461.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MLS 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-016-1/3
Sample Volume :	5	Lab File ID :	A62461.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U ✓ us ccl
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	4.0	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-016-1/3
Sample Volume :	5	Lab File ID :	A62461.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	22	
156-59-2	cis-1,2-Dichloroethene	170	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	5.0	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-019-1/3
Sample Volume :	5	Lab File ID :	A62462.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ BSL
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-019-1/3
Sample Volume :	5	Lab File ID :	A62462.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	19	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-019-1/3
Sample Volume :	5	Lab File ID :	A62462.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	52	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	4.4	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-022-1/3
Sample Volume :	5	Lab File ID :	A62463.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.2	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-022-1/3
Sample Volume :	5	Lab File ID :	A62463.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CQ1
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	13	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-022-1/3
Sample Volume :	5	Lab File ID :	A62463.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	32	
156-59-2	cis-1,2-Dichloroethene	140 ~~220~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	11	
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW
5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW42-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-023-2/3
Sample Volume :	.5	Lab File ID :	A62519.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

DL

LEW 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SDL

SAMPLE NO
OU1-16GW42-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-023-2/3
Sample Volume :	.5	Lab File ID :	A62519.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	~~U~~ UJ CCV
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U

R DL

lw 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW42-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-023-2/3
Sample Volume :	.5	Lab File ID :	A62519.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	U
75-01-4	Vinyl Chloride	~~10~~	U
156-59-2	cis-1,2-Dichloroethene	140	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

DL

5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-025-1/3
Sample Volume :	5	Lab File ID :	A62464.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ BSL
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

RW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-025-1/3
Sample Volume :	5	Lab File ID :	A62464.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.9	
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	3.4	J BSH
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	150	
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	0.96	J
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	16	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	190	
75-69-4	Trichlorofluoromethane	1.0	U

JW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-025-1/3
Sample Volume :	5	Lab File ID :	A62464.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	60	
156-59-2	cis-1,2-Dichloroethene	180 ~~290~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	29	
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-16GW04-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-026-2/3
Sample Volume :	.5	Lab File ID :	A62521.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

R DL

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-16GW04-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-026-2/3
Sample Volume :	.5	Lab File ID :	A62521.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-16GW04-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-026-2/3
Sample Volume :	.5	Lab File ID :	A62521.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	180	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-007-045-1/9
Sample Volume :	5	Lab File ID :	A62515.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-007-045-1/9
Sample Volume :	5	Lab File ID :	A62515.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	15	J MSH
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	3.9	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-007-045-1/9
Sample Volume :	5	Lab File ID :	A62515.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	4.5	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-001-1/3
Sample Volume :	5	Lab File ID :	A62466.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ BSL
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-001-1/3
Sample Volume :	5	Lab File ID :	A62466.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	3.1	
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.6	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-001-1/3
Sample Volume :	5	Lab File ID :	A62466.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	9.0	
156-59-2	cis-1,2-Dichloroethene	30	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-004-1/3
Sample Volume :	5	Lab File ID :	A62485.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-004-1/3
Sample Volume :	5	Lab File ID :	A62485.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-004-1/3
Sample Volume :	5	Lab File ID :	A62485.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

lcw
5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OUI-TB02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-010-007-1/3
Sample Volume :	5	Lab File ID :	A62487.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

CLS 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OUI-TB02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-010-007-1/3
Sample Volume :	5	Lab File ID :	A62487.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

LW 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OUI-TB02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-010-007-1/3
Sample Volume :	5	Lab File ID :	A62487.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OUI-TB03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-011-010-1/3
Sample Volume :	5	Lab File ID :	A62489.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OUI-TB03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-011-010-1/3
Sample Volume :	5	Lab File ID :	A62489.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OUI-TB03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-011-010-1/3
Sample Volume :	5	Lab File ID :	A62489.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OUI-TB04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-012-013-1/3
Sample Volume :	5	Lab File ID :	A62491.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

lw 5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OUI-TB04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-012-013-1/3
Sample Volume :	5	Lab File ID :	A62491.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

12

SAMPLE NO
OUI-TB04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-012-013-1/3
Sample Volume :	5	Lab File ID :	A62491.D
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

JW 5/9/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903069

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW09-0309	903069-001	Water
2	OU1-16GW40-0309	903069-002	Water
2MS*	OU1-16GW40-0309MS	903069-002MS	Water
3	OU1-16GW41-0309	903069-003	Water
4	OU1-16GW03-0309	903069-004	Water
5	OU1-16GW42-0309	903069-005	Water
6	OU1-16GW04-0309	903069-006	Water
7	OU1-16GW02-0309	903069-007	Water
7MS*	OU1-16GW02-0309MS	903069-007MS	Water
8	OU1-MW48-0309	903069-008	Water
9	OU1-MW12-0309	903069-009	Water

** MS - Nitrate, Nitrite, Chloride, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-3, 5, 6, 8
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
2	Nitrite	130%	None	All ND
	Chloride	38%	J/UJ	1-6, 8
7	Nitrate	72%	J/UJ	All samples
	Nitrite	134%	None	All ND

LCS - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS3/11/09	Nitrite	82%	J/UJ	All samples

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - TOC samples 8 and 9 were identified incorrectly on the Form Is. The reviewer amended the Form Is correctly.

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-001-095-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.1	
7440-44-0	Total Organic Carbon, Replicate 2	3.2	
7440-44-0	Total Organic Carbon, Replicate 3	3.2	
7440-44-0	Total Organic Carbon, Replicate 4	3.2	
7440-44-0	Total Organic Carbon, Average	3.2	

MW
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW40-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-002-108-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.2	U
7440-44-0	Total Organic Carbon, Replicate 2	1.1	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.1	U

MW 5/9/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW41-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-003-089-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.2	
7440-44-0	Total Organic Carbon, Replicate 2	3.2	
7440-44-0	Total Organic Carbon, Replicate 3	3.1	
7440-44-0	Total Organic Carbon, Replicate 4	3.2	
7440-44-0	Total Organic Carbon, Average	3.2	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW03-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-004-090-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.2	
7440-44-0	Total Organic Carbon, Replicate 2	2.1	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.1	
7440-44-0	Total Organic Carbon, Average	2.1	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW42-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-005-091-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/11/2009
% Moisture:	ID.	Date Analyzed:	3/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.3	
7440-44-0	Total Organic Carbon, Replicate 2	3.2	
7440-44-0	Total Organic Carbon, Replicate 3	3.2	
7440-44-0	Total Organic Carbon, Replicate 4	3.2	
7440-44-0	Total Organic Carbon, Average	3.2	

LW 5/9/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW04-0306

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-006-092-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.7	
7440-44-0	Total Organic Carbon, Replicate 2	2.7	
7440-44-0	Total Organic Carbon, Replicate 3	2.7	
7440-44-0	Total Organic Carbon, Replicate 4	2.8	
7440-44-0	Total Organic Carbon, Average	2.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW02-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-007-111-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.4	
7440-44-0	Total Organic Carbon, Replicate 2	6.5	
7440-44-0	Total Organic Carbon, Replicate 3	6.5	
7440-44-0	Total Organic Carbon, Replicate 4	6.6	
7440-44-0	Total Organic Carbon, Average	6.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

MW48

SAMPLE NO
OU1-1~~6GW42~~-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-008-093-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.5	
7440-44-0	Total Organic Carbon, Replicate 2	4.5	
7440-44-0	Total Organic Carbon, Replicate 3	4.5	
7440-44-0	Total Organic Carbon, Replicate 4	4.5	
7440-44-0	Total Organic Carbon, Average	4.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

MW12

SAMPLE NO
OU1-~~18GW42~~-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903069
Case No.:		SDG NO.:	903069
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903069-009-094-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	14.4	
7440-44-0	Total Organic Carbon, Replicate 2	14.3	
7440-44-0	Total Organic Carbon, Replicate 3	14.4	
7440-44-0	Total Organic Carbon, Replicate 4	14.5	
7440-44-0	Total Organic Carbon, Average	14.4	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-001-081-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	8.2		UJ ~~B~~L MSL
14797-55-8	Nitrate	0.10	~~U~~	UJ MSL
7727-37-9	Nitrite	0.10	~~U~~	UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-096-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	12		UJ ~~BL~~ MSL
14797-55-8	Nitrate	0.32		J MSL
7727-37-9	Nitrite	0.10	~~U~~	UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-075-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	13		UJ BL MSL
14797-55-8	Nitrate	0.10	U	UJ MSL
7727-37-9	Nitrite	0.10	U	UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-076-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	34		J MSL
14797-55-8	Nitrate	0.10	U	UJ MSL
7727-37-9	Nitrite	0.10	U	UJ BSL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-077-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	9.6		UJ BL MSL
14797-55-8	Nitrate	0.10	U	UJ MSL
7727-37-9	Nitrite	0.10	U	UJ BSL

6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW04-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-006-078-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	13		UJ ~~BL~~ MSL
14797-55-8	Nitrate	0.10	U	UJ MSL
7727-37-9	Nitrite	0.10	U	UJ BSL

UW 6/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-007-099-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	30		
14797-55-8	Nitrate	0.11		J MSL
7727-37-9	Nitrite	0.10	~~U~~	UJ BSL

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-079-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	9.0		UJ ~~BL~~ MSL
14797-55-8	Nitrate	0.10	~~U~~	UJ MSL
7727-37-9	Nitrite	0.10	~~U~~	UJ BSL

JW 6/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-080-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/12/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/12/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	43	
14797-55-8	Nitrate	0.10	~~U~~ UJ MSL
7727-37-9	Nitrite	0.10	~~U~~ UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-001-088-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-002-102-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-003-082-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-004-083-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-005-084-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-008-086-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903069
Case No. :		SDG NO :	903069
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903069-009-087-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/12/2009
% Moisture: not dec		Date Analyzed	03/17/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/9/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903071

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW33-0309	903071-001	Water
1DL	OU1-16GW33-0309DL	903071-001DL	Water
2	OU1-16MW28-0309	903071-002	Water
3	OU1-16GW30-0309	903071-003	Water
3DL	OU1-16GW30-0309DL	903071-003DL	Water
4	OU1-16GW31-0309	903071-004	Water
4DL	OU1-16GW31-0309DL	903071-004DL	Water
5	OU1-S3W3-0309	903071-005	Water
5DL	OU1-S3W3-0309DL	903071-005DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	Methane	5.4	27	U	1DL, 2, 3DL, 4DL, 5DL
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-028-1/2
Sample Volume :	10	Lab File ID :	G262625.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3500	~~E~~ J LR

QW 5/9/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-16GW33-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-029/2/2
Sample Volume :	.02	Lab File ID :	G262627.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	10000	

DL

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R

MW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-030-1/2
Sample Volume :	10	Lab File ID :	G262626.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	8.0	

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LWS 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-032-1/2
Sample Volume :	10	Lab File ID :	G262630.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	910	~~E~~ J LR

lw 5/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-16GW30-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-033-2/2
Sample Volume :	.1	Lab File ID :	G262632.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	1500	

DL

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lw
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-034-1/2
Sample Volume :	10	Lab File ID :	G262631.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	4300	~~E~~ J LR

5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-16GW31-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-035-2/2
Sample Volume :	.02	Lab File ID :	G262633.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	5800	

u BL

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lw 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-S3W3-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-036-1/2
Sample Volume :	10	Lab File ID :	G262634.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	300	~~E~~ J LR

5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-S3W3-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-037-2/2
Sample Volume :	.05	Lab File ID :	G262635.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	240	

U BL

R DL

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903071

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW33-0309	903071-001	Water
2	OU1-16MW28-0309	903071-002	Water
3	OU1-16GW30-0309	903071-003	Water
4	OU1-16GW31-0309	903071-004	Water
5	OU1-S3W3-0309	903071-005	Water
6	OU1-TB05-0309	903071-006	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/24/09	Bromomethane	191%	J/UJ	5, 6
03/25/09	Bromomethane	59.4%	J/UJ	3, 4

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108792	1,2,3-Trichlorobenzene	142%	None	All ND
	1,2,4-Trichlorobenzene	144%	None	All ND
	1,2-Dichlorobenzene	134%	None	All ND
	1,3-Dichlorobenzene	130%	None	All ND
	1,4-Dichlorobenzene	128%	None	All ND
	2-Chlorotoluene	126%	None	All ND
	Bromobenzene	126%	None	All ND
	Vinyl acetate	10%	J/UJ	1, 2
BKS108803	1,1,2-Trichloroethane	126%	None	All ND
	Bromochloromethane	134%	None	All ND
	Bromodichloromethane	124%	None	All ND
	Bromomethane	240%	None	All ND
	Chloroethane	138%	None	All ND
	Toluene	128%	None	All ND
BKS108804	Bromomethane	148%	None	All ND
	Chloromethane	138%	None	All ND
	Methyl acetate	138%	None	All ND
	Vinyl acetate	320%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	None - ND	-	-	-	-
OU1-FB-031009	None - ND	-	-	-	-
OU1-TB05-0309	Methylene chloride	9.5	95	U	1, 2, 5

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-013-1/3
Sample Volume :	5	Lab File ID :	A62494.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-16GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-013-1/3
Sample Volume :	5	Lab File ID :	A62494.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.7	u BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-16GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-013-1/3
Sample Volume :	5	Lab File ID :	A62494.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ BSL
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-016-1/2
Sample Volume :	5	Lab File ID :	A62496.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-016-1/2
Sample Volume :	5	Lab File ID :	A62496.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.6	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	10	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-016-1/2
Sample Volume :	5	Lab File ID :	A62496.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ BSL
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	31	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

fw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-001-1/3
Sample Volume :	5	Lab File ID :	A62516.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-001-1/3
Sample Volume :	5	Lab File ID :	A62516.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ US CH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.0	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-001-1/3
Sample Volume :	5	Lab File ID :	A62516.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	8.8	
156-59-2	cis-1,2-Dichloroethene	32	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.9	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-16GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-004-1/3
Sample Volume :	5	Lab File ID :	A62518.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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4

SAMPLE NO
OU1-16GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-004-1/3
Sample Volume :	5	Lab File ID :	A62518.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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4

SAMPLE NO
OU1-16GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-004-1/3
Sample Volume :	5	Lab File ID :	A62518.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-S3W3-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-007-1/3
Sample Volume :	5	Lab File ID :	A62493.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	2.5	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-S3W3-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-007-1/3
Sample Volume :	5	Lab File ID :	A62493.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	84	
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.8	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	56	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-S3W3-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-007-1/3
Sample Volume :	5	Lab File ID :	A62493.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	34	
156-59-2	cis-1,2-Dichloroethene	180	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	13	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-TB05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-006-010-1/3
Sample Volume :	5	Lab File ID :	A62495.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-TB05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-006-010-1/3
Sample Volume :	5	Lab File ID :	A62495.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	9.5	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-006-010-1/3
Sample Volume :	5	Lab File ID :	A62495.D
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903071

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW33-0309	903071-001	Water
2	OU1-16MW28-0309	903071-002	Water
2MS*	OU1-16MW28-0309MS	903071-002MS	Water
3	OU1-16GW30-0309	903071-003	Water
3MS**	OU1-16GW30-0309MS	903071-003MS	Water
4	OU1-16GW31-0309	903071-004	Water
5	OU1-S3W3-0309	903071-005	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	2, 3, 5
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike/duplicate samples exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier	Affected Samples
2	Chloride	71.1	J/UJ	All Samples
	Nitrite	115%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW33-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903071
Case No.:		SDG NO.:	903071
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903071-001-038-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/13/2009
% Moisture:	ID.	Date Analyzed:	3/25/2009
GC Column:		Dilution factor	3
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	48	
7440-44-0	Total Organic Carbon, Replicate 2	48	
7440-44-0	Total Organic Carbon, Replicate 3	49	
7440-44-0	Total Organic Carbon, Replicate 4	48	
7440-44-0	Total Organic Carbon, Average	48	

FORM I SW9060

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW28-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903071
Case No.:		SDG NO.:	903071
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903071-002-039-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/13/2009
% Moisture:	ID.	Date Analyzed:	3/25/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.1	
7440-44-0	Total Organic Carbon, Replicate 2	1.1	
7440-44-0	Total Organic Carbon, Replicate 3	1.0	
7440-44-0	Total Organic Carbon, Replicate 4	0.98	J
7440-44-0	Total Organic Carbon, Average	1.0	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW30-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903071
Case No.:		SDG NO.:	903071
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903071-003-040-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/13/2009
% Moisture:	ID.	Date Analyzed:	3/25/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.6	
7440-44-0	Total Organic Carbon, Replicate 2	4.6	
7440-44-0	Total Organic Carbon, Replicate 3	4.6	
7440-44-0	Total Organic Carbon, Replicate 4	4.6	
7440-44-0	Total Organic Carbon, Average	4.6	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW31-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903071
Case No.:		SDG NO.:	903071
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903071-004-041-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/13/2009
% Moisture:	ID.	Date Analyzed:	3/25/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.1	
7440-44-0	Total Organic Carbon, Replicate 2	5.1	
7440-44-0	Total Organic Carbon, Replicate 3	5.2	
7440-44-0	Total Organic Carbon, Replicate 4	5.2	
7440-44-0	Total Organic Carbon, Average	5.2	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-S3W3-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903071
Case No.:		SDG NO.:	903071
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903071-005-042-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/13/2009
% Moisture:	ID.	Date Analyzed:	3/25/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.1	
7440-44-0	Total Organic Carbon, Replicate 2	3.7	
7440-44-0	Total Organic Carbon, Replicate 3	3.6	
7440-44-0	Total Organic Carbon, Replicate 4	3.5	
7440-44-0	Total Organic Carbon, Average	3.7	

FORM I SW9060

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5/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-16GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-018-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/13/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/13/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	24	J MSL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

LEW 6/3/09

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-019-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/13/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/13/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	1.3	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-019-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/13/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	

UJ ~~BL~~ MSL

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GPL Laboratories

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ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-020-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/13/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/13/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ BL MSL

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-021-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/13/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/13/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	21	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

J MSL

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-S3W3-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-022-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/13/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/13/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ BL MSL

JW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-001-023-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16MW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-002-024-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-003-025-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-004-026-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-S3W3-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903071
Case No. :		SDG NO :	903071
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903071-005-027-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/13/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903093

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW38-0309	903093-001	Water
2	OU1-MW39-0309	903093-002	Water
2DL	OU1-MW39-0309DL	903093-002DL	Water
3	OU1-16GW32-0309	903093-003	Water
4	OU1-16GW06-0309	903093-004	Water
4DL	OU1-16GW06-0309DL	903093-004DL	Water
5	OU1-16GW28-0309	903093-005	Water
5DL	OU1-16GW28-0309DL	903093-005DL	Water
6	OU1-16GW29-0309	903093-006	Water
6DL	OU1-16GW29-0309DL	903093-006DL	Water
7	OU1-16GW34-0309	903093-007	Water
7DL	OU1-16GW34-0309DL	903093-007DL	Water
8	OU1-16GW35-0309	903093-008	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27	U	1, 2DL, 3, 4DL, 5DL, 6DL, 7DL, 8
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-001-047-1/2
Sample Volume :	10	Lab File ID :	G262636.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	14	

u BL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-049-1/2
Sample Volume :	10	Lab File ID :	G262637.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	730 JLR ~~730~~	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2a

SAMPLE NO
OU1-MW39-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-049-1/2
Sample Volume :	.1	Lab File ID :	G262641.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

DL

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	720	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-003-051-1/2
Sample Volume :	10	Lab File ID :	G262638.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	6.1	

u BL

6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-053-1/2
Sample Volume :	10	Lab File ID :	G262642.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.2	J
74-82-8	Methane	100 TR ~~100~~	~~E~~

FORM 1 GW GPL-RSK-175
517169

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-16GW06-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-053-1/2
Sample Volume :	1	Lab File ID :	G262644.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	100	

U BL

R DL

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-055-1/2
Sample Volume :	10	Lab File ID :	G262643.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	5.0	J
74-85-1	Ethene	5.8	U
74-82-8	Methane	970 J ~~970~~ LR	~~E~~

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW28-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-055-1/2
Sample Volume :	.2	Lab File ID :	G262645.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	370	

u BL

R DL

DW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

b

SAMPLE NO
OU1-16GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-057-1/2
Sample Volume :	10	Lab File ID :	G262646.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	8200 J 8200 LR	E

5/7/09

GPL Laboratories

GPL
FORM 1
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6DL

SAMPLE NO
OU1-16GW29-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-057-1/2
Sample Volume :	.01	Lab File ID :	G262648.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	9200	

u BL

R DL

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-059-1/2
Sample Volume :	10	Lab File ID :	G262647.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	280 ~~280~~	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-16GW34-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-059-1/2
Sample Volume :	.5	Lab File ID :	G262649.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	440	

U BL

R DL

lw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-061-1/2
Sample Volume :	10	Lab File ID :	G262650.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/24/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	14	

U BL

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903093

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW38-0309	903093-001	Water
2	OU1-MW39-0309	903093-002	Water
3	OU1-16GW32-0309	903093-003	Water
4	OU1-16GW06-0309	903093-004	Water
4DL	OU1-16GW06-0309DL	903093-004DL	Water
5	OU1-16GW28-0309	903093-005	Water
6	OU1-16GW29-0309	903093-006	Water
7	OU1-16GW34-0309	903093-007	Water
8	OU1-16GW35-0309	903093-008	Water
9	OU1-TB06-0309	903093-009	Water
10	OU1-TB07-0309	903093-010	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/25/09	Bromomethane	192%	J/UJ	1-9
	Chloroethane	106%	J/UJ	1-9

03/26/09	Bromomethane	211%	J/UJ	4DL, 10

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108853	Bromochloromethane	134%	None	All ND
	Bromomethane	186%	None	All ND
	Chloroethane	158%	None	All ND
	Freon 113	138%	None	All ND
	Tetrachloroethylene	160%	None	All ND
	Trichlorofluoromethane	154%	None	All ND
BKS108855	Benzene	78%	J/UJ	4DL, 10
	Bromomethane	260%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-TB06-0309	None -ND	-	-	-	-
OU1-TB07-0309	None -ND	-	-	-	-
OU1-EB031009	None -ND	-	-	-	-
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID#4 exhibited a high concentration of cis-1,2-dichloroethene and was flagged (E) by the laboratory. The sample was diluted and reanalyzed and the dilution result for this compound should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-001-001-1/3
Sample Volume :	5	Lab File ID :	A62547.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-001-001-1/3
Sample Volume :	5	Lab File ID :	A62547.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	~~U~~ UJ CCH
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-001-001-1/3
Sample Volume :	5	Lab File ID :	A62547.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.2	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-004-1/3
Sample Volume :	5	Lab File ID :	A62549.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-004-1/3
Sample Volume :	5	Lab File ID :	A62549.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.7		
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-004-1/3
Sample Volume :	5	Lab File ID :	A62549.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	3.8	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	5.0	
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-16GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-003-007-1/3
Sample Volume :	5	Lab File ID :	A62551.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	71	
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-003-007-1/3
Sample Volume :	5	Lab File ID :	A62551.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	0.96	J	
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-003-007-1/3
Sample Volume :	5	Lab File ID :	A62551.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-16GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-010-1/3
Sample Volume :	5	Lab File ID :	A62553.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	6.5	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-010-1/3
Sample Volume :	5	Lab File ID :	A62553.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	13		
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-010-1/3
Sample Volume :	5	Lab File ID :	A62553.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	31	
156-59-2	cis-1,2-Dichloroethene	540 ~~1800~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	59	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-16GW06-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-011-2/3
Sample Volume :	.1	Lab File ID :	A62573.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	~~U~~ UJ BSL
108-86-1	Bromobenzene	50	U

DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-16GW06-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-011-2/3
Sample Volume :	.1	Lab File ID :	A62573.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	50	U
75-69-4	Trichlorofluoromethane	50	U

R DL

5/7/09

4DL

GPL Laboratories

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FORM 1
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SAMPLE NO
OU1-16GW06-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-011-2/3
Sample Volume :	.1	Lab File ID :	A62573.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	540	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

RDL

LW 5/7/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-013-1/3
Sample Volume :	5	Lab File ID :	A62555.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-013-1/3
Sample Volume :	5	Lab File ID :	A62555.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	6.4		
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.6		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	32		
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

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SAMPLE NO
OU1-16GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093 .
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-013-1/3
Sample Volume :	5	Lab File ID :	A62555.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	29	
156-59-2	cis-1,2-Dichloroethene	180	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	7.7	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-16GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-016-1/3
Sample Volume :	5	Lab File ID :	A62557.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	81	
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-016-1/3
Sample Volume :	5	Lab File ID :	A62557.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.2		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

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ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-016-1/3
Sample Volume :	5	Lab File ID :	A62557.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-019-1/3
Sample Volume :	5	Lab File ID :	A62559.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	0.76	J
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.5	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-019-1/3
Sample Volume :	5	Lab File ID :	A62559.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	~~U~~ UJ CCH
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	34	
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	38	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-019-1/3
Sample Volume :	5	Lab File ID :	A62559.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	17	
156-59-2	cis-1,2-Dichloroethene	110	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	5.3	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-022-1/3
Sample Volume :	5	Lab File ID :	A62561.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-022-1/3
Sample Volume :	5	Lab File ID :	A62561.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	uJ CH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	uJ CH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

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SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-022-1/3
Sample Volume :	5	Lab File ID :	A62561.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-009-025-1/3
Sample Volume :	5	Lab File ID :	A62563.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-009-025-1/3
Sample Volume :	5	Lab File ID :	A62563.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-009-025-1/3
Sample Volume :	5	Lab File ID :	A62563.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-TB07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-010-028-1/3
Sample Volume :	5	Lab File ID :	A62575.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	~~U~~ UJ BSL
108-86-1	Bromobenzene	1.0	U

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-TB07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-010-028-1/3
Sample Volume :	5	Lab File ID :	A62575.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-TB07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-010-028-1/3
Sample Volume :	5	Lab File ID :	A62575.D
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903093

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW38-0309	903093-001	Water
2	OU1-MW39-0309	903093-002	Water
3	OU1-16GW32-0309	903093-003	Water
4	OU1-16GW06-0309	903093-004	Water
5	OU1-16GW28-0309	903093-005	Water
5MS**	OU1-16GW28-0309MS	903093-005MS	Water
6	OU1-16GW29-0309	903093-006	Water
7	OU1-16GW34-0309	903093-007	Water
8	OU1-16GW35-0309	903093-008	Water
8MS*	OU1-16GW35-0309MS	903093-008MS	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	All Samples

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier	Affected Samples
8	Nitrite as N	130%/Ok/Ok	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-001-031-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-032-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-003-033-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.26	
7727-37-9	Nitrite	0.10	U

UBL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

hW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-035-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.8	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

b

SAMPLE NO
OU1-16GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-036-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µL	Dilution Factor :	10
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	29	

U BL

LW 6/3/09

GPL Laboratories

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ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/14/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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8

SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/14/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	19	

U BL

MW 6/3/09

GPL
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SAMPLE NO
OU1-MW38-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-001-063-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.1	
7440-44-0	Total Organic Carbon, Replicate 2	5.4	
7440-44-0	Total Organic Carbon, Replicate 3	5.4	
7440-44-0	Total Organic Carbon, Replicate 4	5.4	
7440-44-0	Total Organic Carbon, Average	5.4	

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2

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW39-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-002-064-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.8	
7440-44-0	Total Organic Carbon, Replicate 2	6.6	
7440-44-0	Total Organic Carbon, Replicate 3	6.9	
7440-44-0	Total Organic Carbon, Replicate 4	6.8	
7440-44-0	Total Organic Carbon, Average	6.8	

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3

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW32-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-003-065-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/12/2009
% Moisture:	ID.	Date Analyzed:	3/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	9.4	
7440-44-0	Total Organic Carbon, Replicate 2	8.6	
7440-44-0	Total Organic Carbon, Replicate 3	8.5	
7440-44-0	Total Organic Carbon, Replicate 4	8.5	
7440-44-0	Total Organic Carbon, Average	8.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW06-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-004-066-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.2	
7440-44-0	Total Organic Carbon, Replicate 2	2.1	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.1	
7440-44-0	Total Organic Carbon, Average	2.1	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW28-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-005-067-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.4	
7440-44-0	Total Organic Carbon, Replicate 2	3.4	
7440-44-0	Total Organic Carbon, Replicate 3	3.4	
7440-44-0	Total Organic Carbon, Replicate 4	3.4	
7440-44-0	Total Organic Carbon, Average	3.4	

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6

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW28-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-006-068-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	14.8	
7440-44-0	Total Organic Carbon, Replicate 2	14.3	
7440-44-0	Total Organic Carbon, Replicate 3	14.2	
7440-44-0	Total Organic Carbon, Replicate 4	14.1	
7440-44-0	Total Organic Carbon, Average	14.4	

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7

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW34-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-007-068-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.6	
7440-44-0	Total Organic Carbon, Replicate 3	2.5	
7440-44-0	Total Organic Carbon, Replicate 4	2.5	
7440-44-0	Total Organic Carbon, Average	2.6	

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8

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW35-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903093
Case No.:		SDG NO.:	903093
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903093-008-080-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/14/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.9	
7440-44-0	Total Organic Carbon, Replicate 2	5.8	
7440-44-0	Total Organic Carbon, Replicate 3	5.8	
7440-44-0	Total Organic Carbon, Replicate 4	5.8	
7440-44-0	Total Organic Carbon, Average	5.8	

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5/7/09

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-001-039-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-002-040-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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5/9/09

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-003-041-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lew 5/19/09

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-004-042-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-005-043-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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5/9/09

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-006-044-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-007-045-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lew 5/19/09

GPL Laboratories

FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-16GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903093
Case No. :		SDG NO :	903093
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903093-008-046-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/14/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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5/9/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903098

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW46-0309	903098-001	Water
1DL	OU1-52GW46-0309DL	903098-001DL	Water
2	OU1-16GW11-0309	903098-002	Water
2MS	OU1-16GW11-0309MS	903098-002MS	Water
2MSD	OU1-16GW11-0309MSD	903098-002MSD	Water
3	OU1-MW59-0309	903098-003	Water
3DL	OU1-MW59-0309DL	903098-003DL	Water
4	OU1-52GW46P-0309	903098-004	Water
5	OU1-16GW10-0309	903098-005	Water
6	OU1-MW53-0309	903098-006	Water
6DL	OU1-MW53-0309DL	903098-006DL	Water
7	OU1-MW53P-0309	903098-007	Water
7DL	OU1-MW53P-0309DL	903098-007DL	Water
8	OU1-MW55-0309	903098-008	Water
8DL	OU1-MW55-0309DL	903098-008DL	Water
9	OU1-52GW62-0309	903098-009	Water
9DL	OU1-52GW62-0309DL	903098-009DL	Water
10	OU1-52GW61-0309	903098-010	Water
10DL	OU1-52GW61-0309DL	903098-010DL	Water
11	OU1-N4GW07-0309	903098-011	Water
12	OU1-N4GW09-0309	903098-012	Water
12MS	OU1-N4GW09-0309MS	903098-012MS	Water
12MSD	OU1-N4GW09-0309MSD	903098-012MSD	Water
12DL	OU1-N4GW09-0309DL	903098-012DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27	U	1DL, 3DL, 4DL, 5, 6DL, 7DL, 8DL, 9DL, 10DL, 12DL
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW46-0309 ug/L	OU1-52GW46P-0309 ug/L	RPD	Qualifier
Ethene	28	40	35%	None
Methane	110	160	37%	None

Compound	OU1-MW53-0309 ug/L	OU1-MW53P-0309 ug/L	RPD	Qualifier
Ethene	3.9	4.2	7%	None
Methane	85	79	7%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW46-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-108-1/2
Sample Volume :	10	Lab File ID :	G262656.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	28	
74-82-8	Methane	110J LR ~~110~~	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW46-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-109-2/2
Sample Volume :	1	Lab File ID :	G262659.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	120	

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6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-002-116-1/6
Sample Volume :	10	Lab File ID :	G262657.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-090-1/2
Sample Volume :	10	Lab File ID :	G262658.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	12	
74-85-1	Ethene	5.8	U
74-82-8	Methane	5100 ~~5100~~	~~E~~

J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-MW59-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-091-2/2
Sample Volume :	.01	Lab File ID :	G262662.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	5300	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW46P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-092-1/2
Sample Volume :	10	Lab File ID :	G262661.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	40	
74-82-8	Methane	160 ~~460~~	~~E~~ JLR

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW46P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-093-2/2
Sample Volume :	1	Lab File ID :	G262666.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	45	J
74-82-8	Methane	150	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-005-094-1/2
Sample Volume :	10	Lab File ID :	G262667.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.9	

U BL

QW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-096-1/2
Sample Volume :	10	Lab File ID :	G262668.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	3.9	J
74-82-8	Methane	85 J LR ~~85~~	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

60L

SAMPLE NO
OU1-MW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-097-2/2
Sample Volume :	1	Lab File ID :	G262670.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	87	

u BL

R DL

LW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW53P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-098-1/2
Sample Volume :	10	Lab File ID :	G262672.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	4.2	J
74-82-8	Methane	~~19~~ J LR 79	~~E~~

lw 5/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7 DL

SAMPLE NO
OU1-MW53P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-099-2/2
Sample Volume :	1	Lab File ID :	G262673.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	92	

u BL

R DL

dw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-100-1/2
Sample Volume :	10	Lab File ID :	G262669.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	180 J CR ~~180~~	~~E~~

lew 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-MW55-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-101-2/2
Sample Volume :	.5	Lab File ID :	G262671.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	190	

u BL

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW62-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-102-1/2
Sample Volume :	10	Lab File ID :	G262677.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	26	
74-82-8	Methane	130 J LR ~~130~~	E

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-52GW62-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-103-2/2
Sample Volume :	1	Lab File ID :	G262676.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	100	

U BL

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW61-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-104-1/2
Sample Volume :	10	Lab File ID :	G262678.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	415 UR ~~44~~	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10DL

SAMPLE NO
OU1-52GW61-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-104-1/2
Sample Volume :	10	Lab File ID :	G262681.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	32	

u BL

RDL

lw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N4GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-011-106-1/2
Sample Volume :	10	Lab File ID :	G262679.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	33	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-N4GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-110-1/6
Sample Volume :	10	Lab File ID :	G262680.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/25/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	82 J LR 82	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12DL

SAMPLE NO
OU1-N4GW09-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-111-2/6
Sample Volume :	1	Lab File ID :	G262691.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	140	

U BL

R DL

MW 6/3/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903098

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW46-0309	903098-001	Water
1DL	OU1-52GW46-0309DL	903098-001DL	Water
2	OU1-16GW11-0309	903098-002	Water
2MS	OU1-16GW11-0309MS	903098-002MS	Water
2MSD	OU1-16GW11-0309MSD	903098-002MSD	Water
3	OU1-MW59-0309	903098-003	Water
4	OU1-52GW46P-0309	903098-004	Water
4DL	OU1-52GW46P-0309DL	903098-004DL	Water
5	OU1-16GW10-0309	903098-005	Water
6	OU1-MW53-0309	903098-006	Water
6DL	OU1-MW53-0309DL	903098-006DL	Water
7	OU1-MW53P-0309	903098-007	Water
7DL	OU1-MW53P-0309DL	903098-007DL	Water
8	OU1-MW55-0309	903098-008	Water
9	OU1-52GW62-0309	903098-009	Water
10	OU1-52GW61-0309	903098-010	Water
11	OU1-N4GW07-0309	903098-011	Water
12	OU1-N4GW09-0309	903098-012	Water
12MS	OU1-N4GW09-0309MS	903098-012MS	Water
12MSD	OU1-N4GW09-0309MSD	903098-012MSD	Water
13	OU1-TB08-0309	903098-013	Water
14	OU1-TB09-0309	903098-014	Water
15	OU1-TB10-0309	903098-015	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/27/09	Bromomethane	59.4%	J/UJ	1DL, 4DL, 6DL, 7DL

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
2	1,1,1-Trichloroethane	134%/136%/Ok	None - All ND
	1,2-Dichlorobenzene	Ok/122%/Ok	None - All ND
	Bromomethane	156%/164%/Ok	None - All ND
	Chloromethane	Ok/138%/Ok	None - All ND
	Cyclohexane	122%/124%/Ok	None - All ND
	Freon 113	156%/156%/Ok	None - All ND
	Methyl acetate	126%/144%/Ok	None - All ND
	Methylcyclohexane	126%/126%/Ok	None - All ND
	Trichloroethene	58%/60%/Ok	None - All ND
	Trichlorofluoromethane	168%/176%/Ok	None - All ND
12	1,1,1-Trichloroethane	30%/134%/127	J/UJ
	1,1,2-Trichloroethane	18%/Ok/139	J/UJ
	1,1-Dichloroethane	26%/Ok/127	J/UJ
	1,1-Dichloroethene	26%/Ok/129	J/UJ
	1,1-Dichloropropene	64%/Ok/53	J/UJ
	1,2,4-Trichlorobenzene	Ok/Ok/26	None for RPD alone
	1,2-Dichloroethane	Ok/Ok/32	None for RPD alone
	1,2-Dichloropropane	17%/Ok/136	J/UJ
	2,2-Dichloropropane	26%/Ok/122	None for RPD alone
	2-Butanone	Ok/Ok/46	J/UJ
	Acetone	3%/Ok/188	J/R
	Benzene	58%/Ok/49	J/UJ
	Bromochloromethane	38%/Ok/105	J/UJ
	Bromodichloromethane	18%/Ok/138	J/UJ
	Bromomethane	26%/148%/140	J/UJ
	Carbon disulfide	22%/Ok/128	J/UJ
	Chloroethane	18%/Ok/137	J/UJ
	Chloroform	26%/Ok/127	J/UJ
	Chloromethane	26%/Ok/127	J/UJ
	Cyclohexane	28%/122%/125	J/UJ
	Dibromomethane	20%/Ok/135	J/UJ
	Dichlorodifluoromethane	18%/Ok/129	J/UJ

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
12 (cont.)	Freon 113	34%/156%/128	J/UJ
	Hexachlorobutadiene	Ok/Ok/29	None for RPD alone
	Methyl acetate	132%/122%/Ok	None - ND
	Methylcyclohexane	28%/126%/127	J/UJ
	Methylene chloride	28%/Ok/119	J/UJ
	Toluene	22%/Ok/135	J/UJ
	Trichloroethene	Ok/Ok/31	None for RPD alone
	Trichlorofluoromethane	28%/154%/138	J/UJ
	Vinyl acetate	13%/Ok/125	J/UJ
	Vinyl chloride	26%/Ok/113	J/UJ
	cis-1,2-Dichloroethene	26%/Ok/124	J/UJ
	cis-1,3-Dichloropropene	19%/Ok/125	J/UJ
	tert-butyl methyl ether	26%/Ok/124	J/UJ
	trans-1,2-Dichloroethene	28%/Ok/126	J/UJ
	trans-1,3-Dichloropropene	17%/Ok/138	J/UJ

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108893	1,1,1-Trichloroethane	26%	J/UJ	1-7, 13-15
	1,1,2,2-Tetrachloroethane	52%	J/UJ	1-7, 13-15
	1,1,2-Trichloroethane	16%	J/UJ	1-7, 13-15
	1,1-Dichloroethene	50%	J/UJ	1-7, 13-15
	1,1-Dichloropropene	54%	J/UJ	1-7, 13-15
	1,2,3-Trichloropropane	64%	J/UJ	1-7, 13-15
	1,2,4-Trichlorobenzene	60%	J/UJ	1-7, 13-15
	1,2,4-Trimethylbenzene	68%	J/UJ	1-7, 13-15
	1,2-Dibromo-3-chloropropane	42%	J/UJ	1-7, 13-15
	1,2-Dichloroethane	42%	J/UJ	1-7, 13-15
	1,2-Dichloropropane	15%	J/UJ	1-7, 13-15
	1,3,5-Trimethylbenzene	68%	J/UJ	1-7, 13-15
	2-Chlorotoluene	3%	J/R	1-7, 13-15
	4-Isopropyltoluene	74%	J/UJ	1-7, 13-15
	Benzene	46%	J/UJ	1-7, 13-15
	Bromodichloromethane	0%	J/R	1-7, 13-15
	Bromoform	66%	J/UJ	1-7, 13-15
	Bromomethane	146%	J	None - ND
	Carbon tetrachloride	20%	J/UJ	1-7, 13-15
	Chloroethane	58%	J/UJ	1-7, 13-15
	Chloromethane	24%	J/UJ	1-7, 13-15
	Dibromomethane	16%	J/UJ	1-7, 13-15
	Dichlorodifluoromethane	20%	J/UJ	1-7, 13-15
	Ethylene dibromide	74%	J/UJ	1-7, 13-15
	Freon 113	240%	J	None - ND
	Methyl acetate	0%	J/R	1-7, 13-15
	Methylcyclohexane	24%	J/UJ	1-7, 13-15
	Methylene chloride	9%	J/R	1-3, 7, 13-15
	sec-Butylbenzene	66%	J/UJ	1-7, 13-15
	Toluene	20%	J/UJ	1-7, 13-15

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108893	Trichloroethene	28%	J/UJ	2, 3, 7, 13-15
	Trichlorofluoromethane	176%	J	None - ND
	Vinyl acetate	22%	J/UJ	1-7, 13-15
	Vinyl chloride	46%	J/UJ	1-7, 13-15
	cis-1,3-Dichloropropene	19%	J/UJ	1-7, 13-15
	n-Butylbenzene	60%	J/UJ	1-7, 13-15
	tert-butyl methyl ether	10%	J/UJ	1-7, 13-15
	trans-1,3-Dichloropropene	16%	J/UJ	1-7, 13-15
BKS108899	Bromochloromethane	138%	None	All ND
	Bromomethane	150%	None	All ND
	Trichlorofluoromethane	150%	None	All ND
	Bromomethane	150%	None	All ND
	Trichlorofluoromethane	160%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-TB08-0309	Methylene chloride	3.8	38	None	All ND
OU1-TB09-0309	None - ND	-	-	-	-
OU1-TB10-0309	Methylene chloride	3.7	37	U	4, 5, 6, 8, 9
OU1-EB-031009	None - ND	-	-	-	-
OU1-FB-031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW46-0309 ug/L	OU1-52GW46P-0309 ug/L	RPD	Qualifier
1,1-Dichloroethene	10 U	11	NC	None
Isopropylbenzene	10 U	0.88	NC	None
Tetrachloroethylene	14	19	30%	None
Toluene	10 U	2.1	NC	None
Trichloroethene	17000	20000	16%	None
Vinyl chloride	68	28	83%	None
cis-1,2-Dicloroethene	1900	2100	10%	None
m,p-Xylene	10 U	1.9	NC	None
trans-1,2-Dichloroethene	46	4.7	163%	J

Compound	OU1-MW53-0309 ug/L	OU1-MW53P-0309 ug/L	RPD	Qualifier
1,1-Dichloroethene	1.8	1.6	12%	None
Trichloroethene	510	500	2%	None
Vinyl chloride	8.5	8.9	5%	None
cis-1,2-Dichloroethene	350	340	3%	None
trans-1,2-Dichloroethene	140	150	7%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW46-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-037-1/3
Sample Volume :	.5	Lab File ID :	A62584.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q		
630-20-6	1,1,1,2-Tetrachloroethane	10	U		
71-55-6	1,1,1-Trichloroethane	10	U	UJ	BSL
79-34-5	1,1,2,2-Tetrachloroethane	10	U	UJ	
79-00-5	1,1,2-Trichloroethane	10	U	UJ	
75-34-3	1,1-Dichloroethane	10	U		
75-35-4	1,1-Dichloroethene	10	U	UJ	BSL
563-58-6	1,1-Dichloropropene	10	U	UJ	
87-61-6	1,2,3-Trichlorobenzene	10	U		
96-18-4	1,2,3-Trichloropropane	10	U	UJ	BSL
120-82-1	1,2,4-Trichlorobenzene	10	U	UJ	
95-63-6	1,2,4-Trimethylbenzene	10	U	UJ	
96-12-8	1,2-Dibromo-3-Chloropropane	20	U	UJ	
95-50-1	1,2-Dichlorobenzene	10	U		
107-06-2	1,2-Dichloroethane	10	U	UJ	BSL
78-87-5	1,2-Dichloropropane	10	U	UJ	
108-67-8	1,3,5-trimethylbenzene	10	U	UJ	
541-73-1	1,3-Dichlorobenzene	10	U		
142-28-9	1,3-Dichloropropane	10	U		
106-46-7	1,4-Dichlorobenzene	10	U		
594-20-7	2,2-Dichloropropane	10	U		
78-93-3	2-Butanone	50	U		
95-49-8	2-Chlorotoluene	10	U	R	BSL
591-78-6	2-Hexanone	50	U		
106-43-4	4-Chlorotoluene	10	U		
99-87-6	4-Isopropyltoluene	10	U	UJ	BSL
108-10-1	4-Methyl-2-Pentanone	50	U		
67-64-1	Acetone	50	U		
71-43-2	Benzene	10	U	UJ	BSL
108-86-1	Bromobenzene	10	U		

NW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW46-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-037-1/3
Sample Volume :	.5	Lab File ID :	A62584.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	10	U	
75-27-4	Bromodichloromethane	10	~~U~~	R BSL
75-25-2	Bromoform	10	~~U~~	UJ BSL
74-83-9	Bromomethane	10	U	
75-15-0	Carbon Disulfide	10	U	
56-23-5	Carbon Tetrachloride	10	~~U~~	UJ BSL
108-90-7	Chlorobenzene	10	U	
75-00-3	Chloroethane	10	~~U~~	UJ BSL
67-66-3	Chloroform	10	U	
74-87-3	Chloromethane	10	~~U~~	UJ BSL
110-82-7	Cyclohexane	10	U	
124-48-1	Dibromochloromethane	10	U	
74-95-3	Dibromomethane	10	~~U~~	UJ BSL
75-71-8	Dichlorodifluoromethane	10	~~U~~	UJ BSL
100-41-4	Ethylbenzene	10	U	
106-93-4	Ethylene DiBromide	10	~~U~~	UJ BSL
76-13-1	Freon 113	10	U	
87-68-3	Hexachlorobutadiene	10	U	
98-82-8	Isopropylbenzene	10	U	
79-20-9	Methyl Acetate	10	~~U~~	R BSL
108-87-2	Methylcyclohexane	10	~~U~~	UJ BSL
75-09-2	Methylene Chloride	10	~~U~~	R BSL
91-20-3	Naphthalene	10	U	
135-98-8	Sec-Butylbenzene	10	~~U~~	UJ BSL
100-42-5	Styrene	10	U	
127-18-4	Tetrachloroethylene	14		
108-88-3	Toluene	10	~~U~~	UJ BSL
79-01-6	Trichloroethene	17000 ~~50000~~	~~E~~	R DL
75-69-4	Trichlorofluoromethane	10	U	

NW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW46-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-037-1/3
Sample Volume :	.5	Lab File ID :	A62584.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	10	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	68		J BSL
156-59-2	cis-1,2-Dichloroethene	1900		
10061-01-5	cis-1,3-Dichloropropene	10	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	10	U	
104-51-8	n-Butylbenzene	10	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	10	U	
95-47-6	o-Xylene	10	U	
98-06-6	tert-Butylbenzene	10	U	
1634-04-4	tert-butyl methyl ether	10	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	46		J FD
10061-02-6	trans-1,3-dichloropropene	10	~~U~~	UJ BSL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-52GW46-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-038-2/3
Sample Volume :	.005	Lab File ID :	A62640.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use orig. vol

Concentration Units (mg/L or mg/kg dry weight) : ug/L

R DL

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
75-34-3	1,1-Dichloroethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
563-58-6	1,1-Dichloropropene	1000	U
87-61-6	1,2,3-Trichlorobenzene	1000	U
96-18-4	1,2,3-Trichloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
95-63-6	1,2,4-Trimethylbenzene	1000	U
96-12-8	1,2-Dibromo-3-Chloropropane	2000	U
95-50-1	1,2-Dichlorobenzene	1000	U
107-06-2	1,2-Dichloroethane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
108-67-8	1,3,5-trimethylbenzene	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
142-28-9	1,3-Dichloropropane	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
594-20-7	2,2-Dichloropropane	1000	U
78-93-3	2-Butanone	5000	U
95-49-8	2-Chlorotoluene	1000	U
591-78-6	2-Hexanone	5000	U
106-43-4	4-Chlorotoluene	1000	U
99-87-6	4-Isopropyltoluene	1000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
67-64-1	Acetone	5000	U
71-43-2	Benzene	1000	U
108-86-1	Bromobenzene	1000	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW46-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-038-2/3
Sample Volume :	.005	Lab File ID :	A62640.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Orig. NA

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1000	U
75-27-4	Bromodichloromethane	1000	U
75-25-2	Bromoform	1000	U
74-83-9	Bromomethane	1000	~~U~~
75-15-0	Carbon Disulfide	1000	U
56-23-5	Carbon Tetrachloride	1000	U
108-90-7	Chlorobenzene	1000	U
75-00-3	Chloroethane	1000	U
67-66-3	Chloroform	1000	U
74-87-3	Chloromethane	1000	U
110-82-7	Cyclohexane	1000	U
124-48-1	Dibromochloromethane	1000	U
74-95-3	Dibromomethane	1000	U
75-71-8	Dichlorodifluoromethane	1000	U
100-41-4	Ethylbenzene	1000	U
106-93-4	Ethylene DiBromide	1000	U
76-13-1	Freon 113	1000	U
87-68-3	Hexachlorobutadiene	1000	U
98-82-8	Isopropylbenzene	1000	U
79-20-9	Methyl Acetate	1000	U
108-87-2	Methylcyclohexane	1000	U
75-09-2	Methylene Chloride	1000	U
91-20-3	Naphthalene	1000	U
135-98-8	Sec-Butylbenzene	1000	U
100-42-5	Styrene	1000	U
127-18-4	Tetrachloroethylene	1000	U
108-88-3	Toluene	1000	U
79-01-6	Trichloroethene	17000	
75-69-4	Trichlorofluoromethane	1000	U

W CCH

RDV

FORM I lw SW8260LL
5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW46-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-038-2/3
Sample Volume :	.005	Lab File ID :	A62640.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1000	U
75-01-4	Vinyl Chloride	1000	U
156-59-2	cis-1,2-Dichloroethene	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
136777-61-2	m,p-Xylene	1000	U
104-51-8	n-Butylbenzene	1000	U
103-65-1	n-Propylbenzene	1000	U
95-47-6	o-Xylene	1000	U
98-06-6	tert-Butylbenzene	1000	U
1634-04-4	tert-butyl methyl ether	1000	U
156-60-5	trans-1,2-dichloroethene	1000	U
10061-02-6	trans-1,3-dichloropropene	1000	U

R DU

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-002-040-1/9
Sample Volume :	.5	Lab File ID :	A62586.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q		
630-20-6	1,1,1,2-Tetrachloroethane	10	U		
71-55-6	1,1,1-Trichloroethane	10	U	UJ	BSL
79-34-5	1,1,2,2-Tetrachloroethane	10	U		
79-00-5	1,1,2-Trichloroethane	10	U		
75-34-3	1,1-Dichloroethane	10	U		
75-35-4	1,1-Dichloroethene	10	U	UJ	BSL
563-58-6	1,1-Dichloropropene	10	U		
87-61-6	1,2,3-Trichlorobenzene	10	U		
96-18-4	1,2,3-Trichloropropane	10	U	UJ	BSL
120-82-1	1,2,4-Trichlorobenzene	10	U		
95-63-6	1,2,4-Trimethylbenzene	10	U		
96-12-8	1,2-Dibromo-3-Chloropropane	20	U		
95-50-1	1,2-Dichlorobenzene	10	U		
107-06-2	1,2-Dichloroethane	10	U	UJ	BSL
78-87-5	1,2-Dichloropropane	10	U		
108-67-8	1,3,5-trimethylbenzene	10	U		
541-73-1	1,3-Dichlorobenzene	10	U		
142-28-9	1,3-Dichloropropane	10	U		
106-46-7	1,4-Dichlorobenzene	10	U		
594-20-7	2,2-Dichloropropane	10	U		
78-93-3	2-Butanone	50	U		
95-49-8	2-Chlorotoluene	10	U	R	BSL
591-78-6	2-Hexanone	50	U		
106-43-4	4-Chlorotoluene	10	U		
99-87-6	4-Isopropyltoluene	10	U	UJ	BSL
108-10-1	4-Methyl-2-Pentanone	50	U		
67-64-1	Acetone	50	U		
71-43-2	Benzene	10	U	UJ	BSL
108-86-1	Bromobenzene	10	U		

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-002-040-1/9
Sample Volume :	.5	Lab File ID :	A62586.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	10	U	
75-27-4	Bromodichloromethane	10	~~U~~	R BSL
75-25-2	Bromoform	10	~~U~~	UJ BSL
74-83-9	Bromomethane	10	U	
75-15-0	Carbon Disulfide	10	U	
56-23-5	Carbon Tetrachloride	10	~~U~~	UJ BSL
108-90-7	Chlorobenzene	10	U	
75-00-3	Chloroethane	10	~~U~~	UJ BSL
67-66-3	Chloroform	10	U	
74-87-3	Chloromethane	10	~~U~~	UJ BSL
110-82-7	Cyclohexane	10	U	
124-48-1	Dibromochloromethane	10	U	
74-95-3	Dibromomethane	10	~~U~~	UJ BSL
75-71-8	Dichlorodifluoromethane	10	~~U~~	UJ BSL
100-41-4	Ethylbenzene	10	U	
106-93-4	Ethylene DiBromide	10	~~U~~	UJ BSL
76-13-1	Freon 113	10	U	
87-68-3	Hexachlorobutadiene	10	U	
98-82-8	Isopropylbenzene	10	U	
79-20-9	Methyl Acetate	10	~~U~~	R BSL
108-87-2	Methylcyclohexane	10	~~U~~	UJ ↓
75-09-2	Methylene Chloride	10	~~U~~	R ↓
91-20-3	Naphthalene	10	U	
135-98-8	Sec-Butylbenzene	10	~~U~~	UJ BSL
100-42-5	Styrene	10	U	
127-18-4	Tetrachloroethylene	10	U	
108-88-3	Toluene	10	~~U~~	UJ BSL
79-01-6	Trichloroethene	210		J BSL
75-69-4	Trichlorofluoromethane	10	U	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-002-040-1/9
Sample Volume :	.5	Lab File ID :	A62586.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	10	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	10	~~U~~	UJ BSL
156-59-2	cis-1,2-Dichloroethene	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	10	U	
104-51-8	n-Butylbenzene	10	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	10	U	
95-47-6	o-Xylene	10	U	
98-06-6	tert-Butylbenzene	10	U	
1634-04-4	tert-butyl methyl ether	10	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	10	U	
10061-02-6	trans-1,3-dichloropropene	10	~~U~~	UJ BSL

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-001-1/3
Sample Volume :	5	Lab File ID :	A62588.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	46		
75-35-4	1,1-Dichloroethene	110		J BSL
563-58-6	1,1-Dichloropropene	1.0	~~U~~	UJ ↓
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	↓ ↓
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	U	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	~~U~~	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	~~U~~	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	~~U~~	UJ BSL
108-86-1	Bromobenzene	1.0	U	

lw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-001-1/3
Sample Volume :	5	Lab File ID :	A62588.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	~~U~~	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ ↓
75-09-2	Methylene Chloride	1.0	~~U~~	R ↓
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	5.7		J BSL
75-69-4	Trichlorofluoromethane	1.0	U	

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-001-1/3
Sample Volume :	5	Lab File ID :	A62588.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	160		J BSL
156-59-2	cis-1,2-Dichloroethene	190		
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	46		
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW46P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-004-1/3
Sample Volume :	5	Lab File ID :	A62590.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	11		J BSL
563-58-6	1,1-Dichloropropene	1.0	U	UJ ↓
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	↓ ↓
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	U	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	U	UJ BSL
108-86-1	Bromobenzene	1.0	U	

MW 10/13/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW46P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-004-1/3
Sample Volume :	5	Lab File ID :	A62590.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	U	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	0.88	J	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ BSL
75-09-2	Methylene Chloride	3.3		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	19		
108-88-3	Toluene	2.1		J BSL
79-01-6	Trichloroethene	20000 ~~25000~~	~~E~~	R DL
75-69-4	Trichlorofluoromethane	1.0	U	

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW46P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-004-1/3
Sample Volume :	5	Lab File ID :	A62590.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	28		J BSL
156-59-2	cis-1,2-Dichloroethene	2100 ~~6200~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.9		
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	0.73	J	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	4.7		J FD
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW46P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-005-2/3
Sample Volume :	.01	Lab File ID :	A62642.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	500	U
71-55-6	1,1,1-Trichloroethane	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
75-34-3	1,1-Dichloroethane	500	U
75-35-4	1,1-Dichloroethene	500	U
563-58-6	1,1-Dichloropropene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
96-18-4	1,2,3-Trichloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
95-63-6	1,2,4-Trimethylbenzene	500	U
96-12-8	1,2-Dibromo-3-Chloropropane	1000	U
95-50-1	1,2-Dichlorobenzene	500	U
107-06-2	1,2-Dichloroethane	500	U
78-87-5	1,2-Dichloropropane	500	U
108-67-8	1,3,5-trimethylbenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
142-28-9	1,3-Dichloropropane	500	U
106-46-7	1,4-Dichlorobenzene	500	U
594-20-7	2,2-Dichloropropane	500	U
78-93-3	2-Butanone	2500	U
95-49-8	2-Chlorotoluene	500	U
591-78-6	2-Hexanone	2500	U
106-43-4	4-Chlorotoluene	500	U
99-87-6	4-Isopropyltoluene	500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
67-64-1	Acetone	2500	U
71-43-2	Benzene	500	U
108-86-1	Bromobenzene	500	U

DL

R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW46P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-005-2/3
Sample Volume :	.01	Lab File ID :	A62642.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	500	U
75-27-4	Bromodichloromethane	500	U
75-25-2	Bromoform	500	U
74-83-9	Bromomethane	500	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	500	U
56-23-5	Carbon Tetrachloride	500	U
108-90-7	Chlorobenzene	500	U
75-00-3	Chloroethane	500	U
67-66-3	Chloroform	500	U
74-87-3	Chloromethane	500	U
110-82-7	Cyclohexane	500	U
124-48-1	Dibromochloromethane	500	U
74-95-3	Dibromomethane	500	U
75-71-8	Dichlorodifluoromethane	500	U
100-41-4	Ethylbenzene	500	U
106-93-4	Ethylene DiBromide	500	U
76-13-1	Freon 113	500	U
87-68-3	Hexachlorobutadiene	500	U
98-82-8	Isopropylbenzene	500	U
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-09-2	Methylene Chloride	500	U
91-20-3	Naphthalene	500	U
135-98-8	Sec-Butylbenzene	500	U
100-42-5	Styrene	500	U
127-18-4	Tetrachloroethylene	500	U
108-88-3	Toluene	~~500~~	U
79-01-6	Trichloroethene	20000	
75-69-4	Trichlorofluoromethane	500	U

DL

R

FORM I Rev SW8260LL
5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW46P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-005-2/3
Sample Volume :	.01	Lab File ID :	A62642.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use orig. NAC

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	500	U
75-01-4	Vinyl Chloride	500	U
156-59-2	cis-1,2-Dichloroethene	2100	
10061-01-5	cis-1,3-Dichloropropene	500	U
136777-61-2	m,p-Xylene	500	U
104-51-8	n-Butylbenzene	500	U
103-65-1	n-Propylbenzene	500	U
95-47-6	o-Xylene	500	U
98-06-6	tert-Butylbenzene	500	U
1634-04-4	tert-butyl methyl ether	500	U
156-60-5	trans-1,2-dichloroethene	500	U
10061-02-6	trans-1,3-dichloropropene	500	U

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-005-007-1/3
Sample Volume :	5	Lab File ID :	A62592.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	UJ BSL
563-58-6	1,1-Dichloropropene	1.0	U	UJ BSL
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	↓ ↓
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	U	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	~~U~~	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	~~U~~	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	~~U~~	UJ BSL
108-86-1	Bromobenzene	1.0	U	

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-005-007-1/3
Sample Volume :	5	Lab File ID :	A62592.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ ↓
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	U	UJ ↓
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ ↓
75-09-2	Methylene Chloride	3.5		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	4.9		
75-69-4	Trichlorofluoromethane	1.0	U	

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-005-007-1/3
Sample Volume :	5	Lab File ID :	A62592.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	4.8		J BSL
156-59-2	cis-1,2-Dichloroethene	8.0		
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	1.0	U	
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-010-1/3
Sample Volume :	5	Lab File ID :	A62594.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.8		J BSL
563-58-6	1,1-Dichloropropene	1.0	U	UJ BSL
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	↓ ↓
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	U	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	U	UJ BSL
108-86-1	Bromobenzene	1.0	U	

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-010-1/3
Sample Volume :	5	Lab File ID :	A62594.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	~~U~~	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ BSL
75-09-2	Methylene Chloride	3.0		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	510 ~~1100~~	~~E~~	RDL
75-69-4	Trichlorofluoromethane	1.0	U	

MW 6/2/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-010-1/3
Sample Volume :	5	Lab File ID :	A62594.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	8.5		J BSL
156-59-2	cis-1,2-Dichloroethene	350 ~~610~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	140 ~~250~~	~~E~~	R DL
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

DW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-MW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-011-2/3
Sample Volume :	.2	Lab File ID :	A62644.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	25	U
71-55-6	1,1,1-Trichloroethane	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
75-34-3	1,1-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	25	U
563-58-6	1,1-Dichloropropene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
96-18-4	1,2,3-Trichloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
96-12-8	1,2-Dibromo-3-Chloropropane	50	U
95-50-1	1,2-Dichlorobenzene	25	U
107-06-2	1,2-Dichloroethane	25	U
78-87-5	1,2-Dichloropropane	25	U
108-67-8	1,3,5-trimethylbenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
142-28-9	1,3-Dichloropropane	25	U
106-46-7	1,4-Dichlorobenzene	25	U
594-20-7	2,2-Dichloropropane	25	U
78-93-3	2-Butanone	130	U
95-49-8	2-Chlorotoluene	25	U
591-78-6	2-Hexanone	130	U
106-43-4	4-Chlorotoluene	25	U
99-87-6	4-Isopropyltoluene	25	U
108-10-1	4-Methyl-2-Pentanone	130	U
67-64-1	Acetone	130	U
71-43-2	Benzene	25	U
108-86-1	Bromobenzene	25	U

RDL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

60L

SAMPLE NO
OU1-MW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-011-2/3
Sample Volume :	.2	Lab File ID :	A62644.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	25	U
75-27-4	Bromodichloromethane	25	U
75-25-2	Bromoform	25	U
74-83-9	Bromomethane	25	U
75-15-0	Carbon Disulfide	25	U
56-23-5	Carbon Tetrachloride	25	U
108-90-7	Chlorobenzene	25	U
75-00-3	Chloroethane	25	U
67-66-3	Chloroform	25	U
74-87-3	Chloromethane	25	U
110-82-7	Cyclohexane	25	U
124-48-1	Dibromochloromethane	25	U
74-95-3	Dibromomethane	25	U
75-71-8	Dichlorodifluoromethane	25	U
100-41-4	Ethylbenzene	25	U
106-93-4	Ethylene DiBromide	25	U
76-13-1	Freon 113	25	U
87-68-3	Hexachlorobutadiene	25	U
98-82-8	Isopropylbenzene	25	U
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-09-2	Methylene Chloride	25	U
91-20-3	Naphthalene	25	U
135-98-8	Sec-Butylbenzene	25	U
100-42-5	Styrene	25	U
127-18-4	Tetrachloroethylene	25	U
108-88-3	Toluene	25	U
79-01-6	Trichloroethene	510	
75-69-4	Trichlorofluoromethane	25	U

DV

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FORM I SW8260LL

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-MW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-011-2/3
Sample Volume :	.2	Lab File ID :	A62644.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use orig, NA

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	25	U
75-01-4	Vinyl Chloride	25	U
156-59-2	cis-1,2-Dichloroethene	350	
10061-01-5	cis-1,3-Dichloropropene	25	U
136777-61-2	m,p-Xylene	25	U
104-51-8	n-Butylbenzene	25	U
103-65-1	n-Propylbenzene	25	U
95-47-6	o-Xylene	25	U
98-06-6	tert-Butylbenzene	25	U
1634-04-4	tert-butyl methyl ether	25	U
156-60-5	trans-1,2-dichloroethene	140	
10061-02-6	trans-1,3-dichloropropene	25	U

DL

R

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW53P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-013-1/3
Sample Volume :	5	Lab File ID :	A62596.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.6		J BSL
563-58-6	1,1-Dichloropropene	1.0	U	UJ BSL
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	U	UJ BSL
108-86-1	Bromobenzene	1.0	U	

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW53P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-013-1/3
Sample Volume :	5	Lab File ID :	A62596.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	~~U~~	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ ↓
75-09-2	Methylene Chloride	1.0	~~U~~	R ↓
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	SDD ~~1200~~	~~E~~	R DL
75-69-4	Trichlorofluoromethane	1.0	U	

Rev 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW53P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-013-1/3
Sample Volume :	5	Lab File ID :	A62596.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	8.9		J BSL
156-59-2	cis-1,2-Dichloroethene	340 ~~590~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	150 ~~240~~	~~E~~	R DL
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

hw
6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-MW53P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-014-2/3
Sample Volume :	.2	Lab File ID :	A62646.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	25	U
71-55-6	1,1,1-Trichloroethane	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
75-34-3	1,1-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	25	U
563-58-6	1,1-Dichloropropene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
96-18-4	1,2,3-Trichloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
96-12-8	1,2-Dibromo-3-Chloropropane	50	U
95-50-1	1,2-Dichlorobenzene	25	U
107-06-2	1,2-Dichloroethane	25	U
78-87-5	1,2-Dichloropropane	25	U
108-67-8	1,3,5-trimethylbenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
142-28-9	1,3-Dichloropropane	25	U
106-46-7	1,4-Dichlorobenzene	25	U
594-20-7	2,2-Dichloropropane	25	U
78-93-3	2-Butanone	130	U
95-49-8	2-Chlorotoluene	25	U
591-78-6	2-Hexanone	130	U
106-43-4	4-Chlorotoluene	25	U
99-87-6	4-Isopropyltoluene	25	U
108-10-1	4-Methyl-2-Pentanone	130	U
67-64-1	Acetone	130	U
71-43-2	Benzene	25	U
108-86-1	Bromobenzene	25	U

R 7DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-MW53P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-014-2/3
Sample Volume :	.2	Lab File ID :	A62646.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	25	U
75-27-4	Bromodichloromethane	25	U
75-25-2	Bromoform	25	U
74-83-9	Bromomethane	25	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	25	U
56-23-5	Carbon Tetrachloride	25	U
108-90-7	Chlorobenzene	25	U
75-00-3	Chloroethane	25	U
67-66-3	Chloroform	25	U
74-87-3	Chloromethane	25	U
110-82-7	Cyclohexane	25	U
124-48-1	Dibromochloromethane	25	U
74-95-3	Dibromomethane	25	U
75-71-8	Dichlorodifluoromethane	25	U
100-41-4	Ethylbenzene	25	U
106-93-4	Ethylene DiBromide	25	U
76-13-1	Freon 113	25	U
87-68-3	Hexachlorobutadiene	25	U
98-82-8	Isopropylbenzene	25	U
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-09-2	Methylene Chloride	25	U
91-20-3	Naphthalene	25	U
135-98-8	Sec-Butylbenzene	25	U
100-42-5	Styrene	25	U
127-18-4	Tetrachloroethylene	25	U
108-88-3	Toluene	25	U
79-01-6	Trichloroethene	500	
75-69-4	Trichlorofluoromethane	25	U

DL

FORM I SW8260LL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-MW53P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-014-2/3
Sample Volume :	.2	Lab File ID :	A62646.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	25	U
75-01-4	Vinyl Chloride	25	U
156-59-2	cis-1,2-Dichloroethene	340	
10061-01-5	cis-1,3-Dichloropropene	25	U
136777-61-2	m,p-Xylene	25	U
104-51-8	n-Butylbenzene	25	U
103-65-1	n-Propylbenzene	25	U
95-47-6	o-Xylene	25	U
98-06-6	tert-Butylbenzene	25	U
1634-04-4	tert-butyl methyl ether	25	U
156-60-5	trans-1,2-dichloroethene	150	
10061-02-6	trans-1,3-dichloropropene	25	U

DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-016-1/3
Sample Volume :	5	Lab File ID :	A62608.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-016-1/3
Sample Volume :	5	Lab File ID :	A62608.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.4	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-016-1/3
Sample Volume :	5	Lab File ID :	A62608.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW62-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-019-1/3
Sample Volume :	.1	Lab File ID :	A62610.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW62-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-019-1/3
Sample Volume :	.1	Lab File ID :	A62610.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	170	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	2200	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW62-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-019-1/3
Sample Volume :	.1	Lab File ID :	A62610.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	1100	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	75	
10061-02-6	trans-1,3-dichloropropene	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW61-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-031-1/3
Sample Volume :	5	Lab File ID :	A62612.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW61-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-031-1/3
Sample Volume :	5	Lab File ID :	A62612.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	5.5	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW61-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-031-1/3
Sample Volume :	5	Lab File ID :	A62612.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-011-034-1/3
Sample Volume :	5	Lab File ID :	A62614.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N4GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-011-034-1/3
Sample Volume :	5	Lab File ID :	A62614.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N4GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-011-034-1/3
Sample Volume :	5	Lab File ID :	A62614.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

5/28/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-N4GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-049-1/9
Sample Volume :	5	Lab File ID :	A62616.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	~~U~~	UJ MSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	~~U~~	UJ MSL
75-34-3	1,1-Dichloroethane	1.0	~~U~~	UJ MSL
75-35-4	1,1-Dichloroethene	1.0	~~U~~	UJ MSL
563-58-6	1,1-Dichloropropene	1.0	~~U~~	UJ MSL
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	~~U~~	UJ MSL
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	~~U~~	UJ MSL
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	R MSL
71-43-2	Benzene	1.0	~~U~~	UJ MSL
108-86-1	Bromobenzene	1.0	U	

fw
4/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-N4GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-049-1/9
Sample Volume :	5	Lab File ID :	A62616.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	~~U~~	UJ MSL
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ MSL
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ MSL
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ MSL
67-66-3	Chloroform	1.0	~~U~~	UJ MSL
74-87-3	Chloromethane	1.0	~~U~~	UJ MSL
110-82-7	Cyclohexane	1.0	~~U~~	UJ MSL
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	~~U~~	UJ MSL
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ MSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	~~U~~	UJ MSL
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ MSL
75-09-2	Methylene Chloride	1.0	~~U~~	UJ MSL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ MSL
79-01-6	Trichloroethene	2.7		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ MSL

fw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-N4GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-049-1/9
Sample Volume :	5	Lab File ID :	A62616.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ MSL
75-01-4	Vinyl Chloride	1.0	~~U~~	UJ MSL
156-59-2	cis-1,2-Dichloroethene	0.97	~~U~~	J MSL
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ MSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ MSL
156-60-5	trans-1,2-dichloroethene	1.0	~~U~~	UJ MSL
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ MSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-TB08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-013-022-1/3
Sample Volume :	5	Lab File ID :	A62578.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	~~U~~	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	~~U~~	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	~~U~~	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	~~U~~	UJ BSL
563-58-6	1,1-Dichloropropene	1.0	~~U~~	UJ BSL
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	~~U~~	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	~~U~~	↓ ↓
95-63-6	1,2,4-Trimethylbenzene	1.0	~~U~~	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	~~U~~	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	~~U~~	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	~~U~~	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	~~U~~	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	~~U~~	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	~~U~~	UJ BSL
108-86-1	Bromobenzene	1.0	U	

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-TB08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-013-022-1/3
Sample Volume :	5	Lab File ID :	A62578.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	~~U~~	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ ↓
75-09-2	Methylene Chloride	3.7		J ↓
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	1.0	~~U~~	UJ BSL
75-69-4	Trichlorofluoromethane	1.0	U	

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-TB08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-013-022-1/3
Sample Volume :	5	Lab File ID :	A62578.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	1.0	~~U~~	UJ BSL
156-59-2	cis-1,2-Dichloroethene	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	1.0	U	
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-TB09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-014-025-1/3
Sample Volume :	5	Lab File ID :	A62580.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	~~U~~	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	~~U~~	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	~~U~~	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	~~U~~	UJ BSL
563-58-6	1,1-Dichloropropene	1.0	~~U~~	UJ ↓
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	~~U~~	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	~~U~~	↓ ↓
95-63-6	1,2,4-Trimethylbenzene	1.0	~~U~~	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	~~U~~	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	~~U~~	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	~~U~~	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	~~U~~	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	~~U~~	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	~~U~~	UJ BSL
108-86-1	Bromobenzene	1.0	U	

LW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-TB09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-014-025-1/3
Sample Volume :	5	Lab File ID :	A62580.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	U	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ ↓
75-09-2	Methylene Chloride	3.8		J
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	1.0	~~U~~	UJ BSL
75-69-4	Trichlorofluoromethane	1.0	U	

6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-TB09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-014-025-1/3
Sample Volume :	5	Lab File ID :	A62580.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	1.0	~~U~~	UJ BSL
156-59-2	cis-1,2-Dichloroethene	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	1.0	U	
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-TB10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-015-028-1/3
Sample Volume :	5	Lab File ID :	A62582.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	UJ BSL
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	↓ ↓
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	UJ BSL
563-58-6	1,1-Dichloropropene	1.0	U	↓ ↓
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	UJ BSL
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	↓ ↓
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	UJ BSL
78-87-5	1,2-Dichloropropane	1.0	U	↓ ↓
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	~~U~~	R BSL
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	~~U~~	UJ BSL
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	~~U~~	UJ BSL
108-86-1	Bromobenzene	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-TB10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-015-028-1/3
Sample Volume :	5	Lab File ID :	A62582.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	R BSL
75-25-2	Bromoform	1.0	~~U~~	UJ BSL
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ BSL
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ BSL
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	UJ BSL
75-71-8	Dichlorodifluoromethane	1.0	U	UJ BSL
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	~~U~~	UJ BSL
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	R BSL
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ BSL
75-09-2	Methylene Chloride	1.0	~~U~~	UJ BSL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	~~U~~	UJ BSL
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	~~U~~	UJ BSL
79-01-6	Trichloroethene	1.0	~~U~~	UJ BSL
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-TB10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-015-028-1/3
Sample Volume :	5	Lab File ID :	A62582.D
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ BSL
75-01-4	Vinyl Chloride	1.0	~~U~~	UJ BSL
156-59-2	cis-1,2-Dichloroethene	1.0	U	
10061-01-5	cis-1,3-Dichloropropene	1.0	~~U~~	UJ BSL
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	~~U~~	UJ BSL
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	~~U~~	UJ BSL
156-60-5	trans-1,2-dichloroethene	1.0	U	
10061-02-6	trans-1,3-dichloropropene	1.0	~~U~~	UJ BSL

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ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903098

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW46-0309	903098-001	Water
2	OU1-16GW11-0309	903098-002	Water
2MS*	OU1-16GW11-0309MS	903098-002MS	Water
3	OU1-MW59-0309	903098-003	Water
4	OU1-52GW46P-0309	903098-004	Water
5	OU1-16GW10-0309	903098-005	Water
6	OU1-MW53-0309	903098-006	Water
7	OU1-MW53P-0309	903098-007	Water
8	OU1-MW55-0309	903098-008	Water
9	OU1-52GW62-0309	903098-009	Water
10	OU1-52GW61-0309	903098-010	Water
11	OU1-N4GW07-0309	903098-011	Water
12	OU1-N4GW09-0309	903098-012	Water
12MS*	OU1-N4GW09-0309MS	903098-012MS	Water

** MS - Chloride, Nitrate, Nitrite and TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-12
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
2	Nitrite	118%	None	All ND
	Nitrate	112%	J	2, 5
12	Nitrite	134%	None	All ND
	Nitrate	113%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW46-0309 ug/L	OU1-52GW46P-0309 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound	OU1-MW53-0309 ug/L	OU1-MW53P-0309 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

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SAMPLE NO
OU1-52GW46-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-067-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

K BL

JCW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-002-071-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.4	
14797-55-8	Nitrate	1.3	
7727-37-9	Nitrite	0.10	U

u BL
J MSH

lw 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

MW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW46P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-059-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

lw 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-005-060-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.1	
14797-55-8	Nitrate	0.56	
7727-37-9	Nitrite	0.10	U

u BL
J MSH

JW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-061-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

MW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW53P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-062-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

LW
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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-063-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW62-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-137-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.7	u BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

KW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW61-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-065-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	u BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

KW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N4GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-011-066-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

MW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-N4GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-068-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/17/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/17/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

6/3/09

GPL Laboratories

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FORM 1
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SAMPLE NO
OU1-52GW46-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-001-083-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

FORM I WS E376.1
5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-002-084-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

FORM I µW E376.1
5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-003-074-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

FORM I lw E376.1
5/8/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW46P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-004-075-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-005-076-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-MW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-006-077-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW53P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-007-078-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-MW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-008-079-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW62-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-009-080-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW61-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-010-081-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N4GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-011-082-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903098
Case No. :		SDG NO :	903098
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903098-012-087-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/17/2009
% Moisture: not dec		Date Analyzed	03/18/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW46-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-001-131-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/26/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.3	
7440-44-0	Total Organic Carbon, Replicate 2	2.2	
7440-44-0	Total Organic Carbon, Replicate 3	2.2	
7440-44-0	Total Organic Carbon, Replicate 4	2.2	
7440-44-0	Total Organic Carbon, Average	2.2	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW11-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-002-135-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.0	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.0	
7440-44-0	Total Organic Carbon, Average	2.1	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW59-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-003-122-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.0	
7440-44-0	Total Organic Carbon, Replicate 2	3.0	
7440-44-0	Total Organic Carbon, Replicate 3	3.0	
7440-44-0	Total Organic Carbon, Replicate 4	3.0	
7440-44-0	Total Organic Carbon, Average	3.0	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW46P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-004-123-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.2	
7440-44-0	Total Organic Carbon, Replicate 2	2.2	
7440-44-0	Total Organic Carbon, Replicate 3	2.2	
7440-44-0	Total Organic Carbon, Replicate 4	2.2	
7440-44-0	Total Organic Carbon, Average	2.2	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW10-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-005-124-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.8	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.2	
7440-44-0	Total Organic Carbon, Average	1.5	

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5/8/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW-53-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-006-125-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.7	
7440-44-0	Total Organic Carbon, Replicate 2	1.7	
7440-44-0	Total Organic Carbon, Replicate 3	1.7	
7440-44-0	Total Organic Carbon, Replicate 4	1.7	
7440-44-0	Total Organic Carbon, Average	1.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW53P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-007-126-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.6	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-55-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-008-127-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.0	
7440-44-0	Total Organic Carbon, Replicate 2	2.7	
7440-44-0	Total Organic Carbon, Replicate 3	2.6	
7440-44-0	Total Organic Carbon, Replicate 4	2.6	
7440-44-0	Total Organic Carbon, Average	2.7	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW62-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-009-128-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.1	
7440-44-0	Total Organic Carbon, Replicate 2	5.0	
7440-44-0	Total Organic Carbon, Replicate 3	5.0	
7440-44-0	Total Organic Carbon, Replicate 4	5.0	
7440-44-0	Total Organic Carbon, Average	5.0	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52-GW61-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-010-129-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.7	
7440-44-0	Total Organic Carbon, Replicate 2	1.4	
7440-44-0	Total Organic Carbon, Replicate 3	1.4	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.5	

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5/8/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N4GW07-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-011-130-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.7	
7440-44-0	Total Organic Carbon, Replicate 2	1.7	
7440-44-0	Total Organic Carbon, Replicate 3	1.7	
7440-44-0	Total Organic Carbon, Replicate 4	1.7	
7440-44-0	Total Organic Carbon, Average	1.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N4GW09-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903098
Case No.:		SDG NO.:	903098
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903098-012-132-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/17/2009
% Moisture:	ID.	Date Analyzed:	3/27/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	
7440-44-0	Total Organic Carbon, Replicate 2	1.0	
7440-44-0	Total Organic Carbon, Replicate 3	1.0	
7440-44-0	Total Organic Carbon, Replicate 4	1.0	
7440-44-0	Total Organic Carbon, Average	1.0	

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5/8/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903124

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW47-0309	903124-001	Water
1DL	OU1-52GW47-0309DL	903124-001DL	Water
2	OU1-52GW71-0309	903124-002	Water
2DL	OU1-52GW71-0309DL	903124-002DL	Water
3	OU1-52GW42-0309	903124-003	Water
3DL	OU1-52GW42-0309DL	903124-003DL	Water
4	OU1-52GW72-0309	903124-004	Water
5	OU1-52GW48-0309	903124-005	Water
5DL	OU1-52GW48-0309DL	903124-005DL	Water
6	OU1-52GW56-0309	903124-006	Water
6DL	OU1-52GW56-0309DL	903124-006DL	Water
7	OU1-52GW39-0309	903124-007	Water
7DL	OU1-52GW39-0309DL	903124-007DL	Water
8	OU1-52GW58-0309	903124-008	Water
8DL	OU1-52GW58-0309DL	903124-008DL	Water
9	OU1-52GW55-0309	903124-009	Water
9DL	OU1-52GW55-0309DL	903124-009DL	Water
10	OU1-52GW57-0309	903124-010	Water
10DL	OU1-52GW57-0309DL	903124-010DL	Water
11	OU1-52GW38-0309	903124-011	Water
11DL	OU1-52GW38-0309DL	903124-011DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 4, 5DL, 6DL, 7DL, 8DL, 9DL, 10DL, 11DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-056-1/2
Sample Volume :	10	Lab File ID :	G262730.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	44J LR ~~44~~	~~E~~

LW 5/8/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW47-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-057-2/2
Sample Volume :	2	Lab File ID :	G262732.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	44	

4 BL

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-058-1/2
Sample Volume :	10	Lab File ID :	G262731.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	300J ~~300~~	~~E~~ LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW71-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-059-2/2
Sample Volume :	.5	Lab File ID :	G262733.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	290	

u BL

R DL

hw
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-060-1/2
Sample Volume :	10	Lab File ID :	G262734.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	45J LR ~~45~~	~~E~~

lw
5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-52GW42-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-061-2/2
Sample Volume :	2	Lab File ID :	G262736.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	44	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW72-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-004-062-1/2
Sample Volume :	10	Lab File ID :	G262735.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	25	

u BL

MW 4/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-064-1/2
Sample Volume :	10	Lab File ID :	G262737.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	61 J LR ~~81~~	~~E~~

lew 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-52GW48-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-065-2/2
Sample Volume :	2	Lab File ID :	G262741.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	43	

U BL

R DL

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW56-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-066-1/2
Sample Volume :	10	Lab File ID :	G262738.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	170 JLR ~~170~~	~~E~~

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-52GW56-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-067-2/2
Sample Volume :	1	Lab File ID :	G262742.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	160	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-068-1/2
Sample Volume :	10	Lab File ID :	G262743.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	120J ~~120~~	~~E~~

lw 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-52GW39-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-069-2/2
Sample Volume :	1	Lab File ID :	G262745.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	120	

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6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-070-1/2
Sample Volume :	10	Lab File ID :	G262744.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	81 J LR	~~E~~

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW58-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-071-2/2
Sample Volume :	1	Lab File ID :	G262746.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	80	

4 BL

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MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-072-1/2
Sample Volume :	10	Lab File ID :	G262747.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	89 J LR ~~89~~	~~E~~

fw 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-52GW55-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-073-2/2
Sample Volume :	1	Lab File ID :	G262749.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	110	

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MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW57-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-074-1/2
Sample Volume :	10	Lab File ID :	G262748.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	210 JLR ~~210~~	~~E~~

lw 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10DL

SAMPLE NO
OU1-52GW57-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-075-2/2
Sample Volume :	1	Lab File ID :	G262750.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	110	

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LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-076-1/2
Sample Volume :	10	Lab File ID :	G262754.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	47 J LR<47	~~E~~

lw 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11DL

SAMPLE NO
OU1-52GW38-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-077-2/2
Sample Volume :	1	Lab File ID :	G262755.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use-original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	48	

4 BL

R DL

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903124

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW47-0309	903124-001	Water
2	OU1-52GW71-0309	903124-002	Water
3	OU1-52GW42-0309	903124-003	Water
4	OU1-52GW72-0309	903124-004	Water
5	OU1-52GW48-0309	903124-005	Water
6	OU1-52GW56-0309	903124-006	Water
7	OU1-52GW39-0309	903124-007	Water
8	OU1-52GW58-0309	903124-008	Water
8DL	OU1-52GW58-0309DL	903124-008DL	Water
9	OU1-52GW55-0309	903124-009	Water
10	OU1-52GW57-0309	903124-010	Water
11	OU1-52GW38-0309	903124-011	Water
12	OU1-TB14-0309	903124-012	Water
13	OU1-TB15-0309	903124-013	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/26/09 (0920)	Bromomethane	211%	J/UJ	1-3
	1,2-Dibromo-3-chloropropane	0.043 RRF	J/R	1-3
	Acetone	33.7%	J	1
03/26/09 (2155)	Bromomethane	80.0%	J/UJ	4-13
	Chloroethane	53.8%	J/UJ	4-13
	Trichlorofluoromethane	87.9%	J/UJ	4-13
03/27/09 (1004)	Bromomethane	324%	J/UJ	8DL

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108871	Benzene	78%	J/UJ	1-3
	Bromomethane	268%	None	All ND
BKS108876	Bromochloromethane	140%	None	All ND
	Bromomethane	182%	None	All ND
	Chloroethane	144%	None	All ND
	Freon 113	136%	None	All ND
	Trichlorofluoromethane	160%	None	All ND
BKS108880	Bromomethane	220%	None	All ND
	Chloroethane	188%	None	All ND
	Freon 113	146%	None	All ND
	Trichlorofluoromethane	180%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB14-0309	Methylene chloride	3.3	33	U	5, 8, 9
OU1-TB15-0309	Methylene chloride	3.0	30	U	4, 7, 10, 11

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #8 exhibited high concentrations of trichloroethene and cis-1,2-dichloeoethene and were flagged (E) by the laboratory. The sample was diluted and reanalyzed and the dilution results for both compounds should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-001-1/3
Sample Volume :	5	Lab File ID :	A62591.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	R CC
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	3.4	~~U~~	J CCH
71-43-2	Benzene	1.0	~~U~~	UJ BSL
108-86-1	Bromobenzene	1.0	U	

kW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-001-1/3
Sample Volume :	5	Lab File ID :	A62591.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.1	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-001-1/3
Sample Volume :	5	Lab File ID :	A62591.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-004-1/3
Sample Volume :	5	Lab File ID :	A62593.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R CC
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	~~U~~ UJ BSL
108-86-1	Bromobenzene	1.0	U

LW 4/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-004-1/3
Sample Volume :	5	Lab File ID :	A62593.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

MW 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-004-1/3
Sample Volume :	5	Lab File ID :	A62593.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-007-1/3
Sample Volume :	5	Lab File ID :	A62595.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~ R cc
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	~~U~~ UJ BSL
108-86-1	Bromobenzene	1.0	U

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-007-1/3
Sample Volume :	5	Lab File ID :	A62595.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

UJ CCH

LWS 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-007-1/3
Sample Volume :	5	Lab File ID :	A62595.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW72-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-004-010-1/3
Sample Volume :	5	Lab File ID :	A62607.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW72-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-004-010-1/3
Sample Volume :	5	Lab File ID :	A62607.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.4		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW72-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-004-010-1/3
Sample Volume :	5	Lab File ID :	A62607.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-013-1/3
Sample Volume :	5	Lab File ID :	A62609.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	0.80	J
75-35-4	1,1-Dichloroethene	2.2	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-013-1/3
Sample Volume :	5	Lab File ID :	A62609.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.6		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	30		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

LCW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-013-1/3
Sample Volume :	5	Lab File ID :	A62609.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.7	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

LWS
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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW56-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-016-1/3
Sample Volume :	5	Lab File ID :	A62611.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	4.0	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW56-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-016-1/3
Sample Volume :	5	Lab File ID :	A62611.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	8.6		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW56-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-016-1/3
Sample Volume :	5	Lab File ID :	A62611.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.6	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-019-1/3
Sample Volume :	5	Lab File ID :	A62613.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	5.0	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-019-1/3
Sample Volume :	5	Lab File ID :	A62613.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	2.0		
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.2		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.3		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-019-1/3
Sample Volume :	5	Lab File ID :	A62613.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	5.6	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-022-1/3
Sample Volume :	5	Lab File ID :	A62615.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-022-1/3
Sample Volume :	5	Lab File ID :	A62615.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.1		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	2.4		
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	9300 ~~18000~~	~~E~~	R DL
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

LCD 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-022-1/3
Sample Volume :	5	Lab File ID :	A62615.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	980 ~~2100~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	17	
10061-02-6	trans-1,3-dichloropropene	1.0	U

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW58-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-023-2/3
Sample Volume :	.01	Lab File ID :	A62639.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

R DL

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	500	U
71-55-6	1,1,1-Trichloroethane	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
79-00-5	1,1,2-Trichloroethane	500	U
75-34-3	1,1-Dichloroethane	500	U
75-35-4	1,1-Dichloroethene	500	U
563-58-6	1,1-Dichloropropene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
96-18-4	1,2,3-Trichloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
95-63-6	1,2,4-Trimethylbenzene	500	U
96-12-8	1,2-Dibromo-3-Chloropropane	1000	U
95-50-1	1,2-Dichlorobenzene	500	U
107-06-2	1,2-Dichloroethane	500	U
78-87-5	1,2-Dichloropropane	500	U
108-67-8	1,3,5-trimethylbenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
142-28-9	1,3-Dichloropropane	500	U
106-46-7	1,4-Dichlorobenzene	500	U
594-20-7	2,2-Dichloropropane	500	U
78-93-3	2-Butanone	2500	U
95-49-8	2-Chlorotoluene	500	U
591-78-6	2-Hexanone	2500	U
106-43-4	4-Chlorotoluene	500	U
99-87-6	4-Isopropyltoluene	500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
67-64-1	Acetone	2500	U
71-43-2	Benzene	500	U
108-86-1	Bromobenzene	500	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW58-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-023-2/3
Sample Volume :	.01	Lab File ID :	A62639.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	500	U
75-27-4	Bromodichloromethane	500	U
75-25-2	Bromoform	500	U
74-83-9	Bromomethane	500	~~U~~
75-15-0	Carbon Disulfide	500	U
56-23-5	Carbon Tetrachloride	500	U
108-90-7	Chlorobenzene	500	U
75-00-3	Chloroethane	500	U
67-66-3	Chloroform	500	U
74-87-3	Chloromethane	500	U
110-82-7	Cyclohexane	500	U
124-48-1	Dibromochloromethane	500	U
74-95-3	Dibromomethane	500	U
75-71-8	Dichlorodifluoromethane	500	U
100-41-4	Ethylbenzene	500	U
106-93-4	Ethylene DiBromide	500	U
76-13-1	Freon 113	500	U
87-68-3	Hexachlorobutadiene	500	U
98-82-8	Isopropylbenzene	500	U
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-09-2	Methylene Chloride	500	U
91-20-3	Naphthalene	500	U
135-98-8	Sec-Butylbenzene	500	U
100-42-5	Styrene	500	U
127-18-4	Tetrachloroethylene	500	U
108-88-3	Toluene	500	U
79-01-6	Trichloroethene	9300	
75-69-4	Trichlorofluoromethane	500	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW58-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-023-2/3
Sample Volume :	.01	Lab File ID :	A62639.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	500	U
75-01-4	Vinyl Chloride	500	U
156-59-2	cis-1,2-Dichloroethene	980	
10061-01-5	cis-1,3-Dichloropropene	500	U
136777-61-2	m,p-Xylene	500	U
104-51-8	n-Butylbenzene	500	U
103-65-1	n-Propylbenzene	500	U
95-47-6	o-Xylene	500	U
98-06-6	tert-Butylbenzene	500	U
1634-04-4	tert-butyl methyl ether	500	U
156-60-5	trans-1,2-dichloroethene	500	U
10061-02-6	trans-1,3-dichloropropene	500	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-025-1/3
Sample Volume :	5	Lab File ID :	A62617.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	4.8	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-025-1/3
Sample Volume :	5	Lab File ID :	A62617.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.2		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	8.3		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-025-1/3
Sample Volume :	5	Lab File ID :	A62617.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW57-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-028-1/3
Sample Volume :	5	Lab File ID :	A62619.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	8.0	
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW57-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-028-1/3
Sample Volume :	5	Lab File ID :	A62619.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.2		U BL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	4.9		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW57-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-028-1/3
Sample Volume :	5	Lab File ID :	A62619.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.8	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-031-1/3
Sample Volume :	5	Lab File ID :	A62621.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	2.8	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

lu 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-031-1/3
Sample Volume :	5	Lab File ID :	A62621.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.2		UBL
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.4		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

NW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-031-1/3
Sample Volume :	5	Lab File ID :	A62621.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.1	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-TB14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-012-089-1/3
Sample Volume :	5	Lab File ID :	A62623.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-TB14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-012-089-1/3
Sample Volume :	5	Lab File ID :	A62623.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	3.3		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

LW 5/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-TB14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-012-089-1/3
Sample Volume :	5	Lab File ID :	A62623.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-TB15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-013-092-1/3
Sample Volume :	5	Lab File ID :	A62625.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

JW 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-TB15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-013-092-1/3
Sample Volume :	5	Lab File ID :	A62625.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	3.0		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-TB15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-013-092-1/3
Sample Volume :	5	Lab File ID :	A62625.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903124

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW47-0309	903124-001	Water
1MS*	OU1-52GW47-0309MS	903124-001MS	Water
2	OU1-52GW71-0309	903124-002	Water
2MS*	OU1-52GW71-0309MS	903124-002MS	Water
3	OU1-52GW42-0309	903124-003	Water
4	OU1-52GW72-0309	903124-004	Water
5	OU1-52GW48-0309	903124-005	Water
6	OU1-52GW56-0309	903124-006	Water
7	OU1-52GW39-0309	903124-007	Water
8	OU1-52GW58-0309	903124-008	Water
9	OU1-52GW55-0309	903124-009	Water
10	OU1-52GW57-0309	903124-010	Water
11	OU1-52GW38-0309	903124-011	Water
11MS**	OU1-52GW38-0309MS	903124-011MS	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1, 3, 5, 6, 7, 8, 10, 11
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Chloride	126%	None	All ND
	Nitrate	87.2%	J/UJ	1-11
2	Chloride	112%	None	All ND
	Nitrite	129%	J	4, 9

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-045-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-046-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

5/8/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-047-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW72-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-004-048-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-049-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW56-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-050-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-051-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-052-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-053-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW57-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-054-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903124
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-055-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-001-078-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.0	
7440-44-0	Total Organic Carbon, Replicate 2	2.0	
7440-44-0	Total Organic Carbon, Replicate 3	2.0	
7440-44-0	Total Organic Carbon, Replicate 4	2.0	
7440-44-0	Total Organic Carbon, Average	2.0	

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1 RE

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

use original

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-001-078-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

RE

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.9	
7440-44-0	Total Organic Carbon, Replicate 2	6.9	
7440-44-0	Total Organic Carbon, Average	6.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW71-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-002-079-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.6	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.4	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW42-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-003-080-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.2	
7440-44-0	Total Organic Carbon, Average	1.3	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW72-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-004-081-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.8	
7440-44-0	Total Organic Carbon, Replicate 3	1.8	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.8	

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW48-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-005-082-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.1	
7440-44-0	Total Organic Carbon, Replicate 2	3.1	
7440-44-0	Total Organic Carbon, Replicate 3	3.1	
7440-44-0	Total Organic Carbon, Replicate 4	3.1	
7440-44-0	Total Organic Carbon, Average	3.1	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW56-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-006-083-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.4	
7440-44-0	Total Organic Carbon, Replicate 2	5.9	
7440-44-0	Total Organic Carbon, Replicate 3	6.1	
7440-44-0	Total Organic Carbon, Replicate 4	6.0	
7440-44-0	Total Organic Carbon, Average	5.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW39-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-007-084-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.6	
7440-44-0	Total Organic Carbon, Replicate 2	4.3	
7440-44-0	Total Organic Carbon, Replicate 3	4.3	
7440-44-0	Total Organic Carbon, Replicate 4	4.3	
7440-44-0	Total Organic Carbon, Average	4.4	

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW58-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-008-085-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.4	
7440-44-0	Total Organic Carbon, Replicate 2	3.2	
7440-44-0	Total Organic Carbon, Replicate 3	3.2	
7440-44-0	Total Organic Carbon, Replicate 4	3.2	
7440-44-0	Total Organic Carbon, Average	3.2	

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GPL
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GPL
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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW55-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-009-086-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.3	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.4	
7440-44-0	Total Organic Carbon, Average	1.3	

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GPL
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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW57-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-010-087-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.8	
7440-44-0	Total Organic Carbon, Replicate 3	1.8	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.8	

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW38-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903124
Case No.:		SDG NO.:	903124
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903124-011-088-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/28/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.4	
7440-44-0	Total Organic Carbon, Replicate 2	2.4	
7440-44-0	Total Organic Carbon, Replicate 3	2.4	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.4	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW47-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-001-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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UJ MSL

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-035-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/20/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	8.4	J MSL
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW71-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-002-035-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/30/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-003-036-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/20/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.0	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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UJ MSL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW72-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-004-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/20/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	0.10	U	
14797-55-8	Nitrate	0.10	~~U~~	UJ MSL
7727-37-9	Nitrite	6.1		J MSH

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW48-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-005-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW56-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-006-039-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	5.4	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW39-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-007-040-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/20/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	3.8	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

U BL
U3 MSL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-008-041-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.8	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

U BL
U3 MSL

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW55-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-009-042-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	0.10	U	
14797-55-8	Nitrate	0.10	~~U~~	UJ MSL
7727-37-9	Nitrite	8.3		J MSH

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW57-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-010-043-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.6	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

U BL
UJ MSL

MW
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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW38-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903124
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903124-011-044-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/20/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.4	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

U BL
UJ MSL

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ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903125

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW50-0309	903125-001	Water
1DL	OU1-52GW50-0309DL	903125-001DL	Water
2	OU1-52GW51-0309	903125-002	Water
2DL	OU1-52GW51-0309DL	903125-002DL	Water
3	OU1-52GW40-0309	903125-003	Water
3DL	OU1-52GW40-0309DL	903125-003DL	Water
4	OU1-52GW69-0309	903125-004	Water
4DL	OU1-52GW69-0309DL	903125-004DL	Water
5	OU1-52GW70-0309	903125-005	Water
6	OU1-52GW37-0309	903125-006	Water
6DL	OU1-52GW37-0309DL	903125-006DL	Water
7	OU1-52GW41-0309	903125-007	Water
7DL	OU1-52GW41-0309DL	903125-007DL	Water
8	OU1-52GW36-0309	903125-008	Water
9	OU1-52GW52-0309	903125-009	Water
10	OU1-52GW45-0309	903125-010	Water
10MS	OU1-52GW45-0309MS	903125-010MS	Water
10MSD	OU1-52GW45-0309MSD	903125-010MSD	Water
11	OU1-52GW60-0309	903125-011	Water
11DL	OU1-52GW60-0309DL	903125-011DL	Water
12	OU1-52GW35-0309	903125-012	Water
12DL	OU1-52GW35-0309DL	903125-012DL	Water
13	OU1-52GW53-0309	903125-013	Water
13DL	OU1-52GW53-0309DL	903125-013DL	Water
14	OU1-52GW34-0309	903125-014	Water
14DL	OU1-52GW34-0309DL	903125-014DL	Water
15	OU1-52GW41P-0309	903125-015	Water
15DL	OU1-52GW41P-0309DL	903125-015DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
10	Ethane	65%/68%/Ok	J/UJ
	Ethene	128%/121%/Ok	None - Sample ND
	Methane	125%/150%/Ok	None - Already qualified due to MB

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 4DL, 6DL, 7DL, 8, 10, 11DL, 12DL, 13DL, 14DL, 15DL
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW41-0309 ug/L	OU1-52GW41P-0309 ug/L	RPD	Qualifier
Methane	73	77	5%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

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SAMPLE NO
OU1-52GW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-085-1/2
Sample Volume :	10	Lab File ID :	G262694.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	86 JLR ~~.86~~	~~E~~

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

IDL

SAMPLE NO
OU1-52GW50-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-086-2/2
Sample Volume :	1	Lab File ID :	G262701.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	93	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-087-1/2
Sample Volume :	10	Lab File ID :	G262695.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	110J LR ~~110~~	~~E~~

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-088-2/2
Sample Volume :	1	Lab File ID :	G262702.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	95	

4 BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-089-1/2
Sample Volume :	10	Lab File ID :	G262696.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	160J LR ~~160~~	~~E~~

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ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-52GW40-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-090-2/2
Sample Volume :	1	Lab File ID :	G262703.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	190	

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GPL Laboratories

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FORM 1
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4

SAMPLE NO
OU1-52GW69-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-091-1/2
Sample Volume :	10	Lab File ID :	G262704.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	120J LR ~~120~~	~~E~~

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW69-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-092-2/2
Sample Volume :	1	Lab File ID :	G262706.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	92	

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LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW70-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-093-1/2
Sample Volume :	10	Lab File ID :	G262705.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	28	

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GPL Laboratories

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ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-095-1/2
Sample Volume :	10	Lab File ID :	G262707.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	250J ~~250~~ LR	~~E~~

5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-52GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-096-2/2
Sample Volume :	20	Lab File ID :	G262709.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	120	U
74-85-1	Ethene	120	U
74-82-8	Methane	200	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-097-1/2
Sample Volume :	10	Lab File ID :	G262708.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	73 J LR ~~73~~	~~E~~

MW 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-52GW41-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-098-2/2
Sample Volume :	1	Lab File ID :	G262711.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	61	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-008-099-1/2
Sample Volume :	10	Lab File ID :	G262712.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	22	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW52-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-009-101-1/2
Sample Volume :	10	Lab File ID :	G262713.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	33	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-010-103-1/2
Sample Volume :	10	Lab File ID :	G262714.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	~~U~~	u J MSL
74-85-1	Ethene	5.8	U	
74-82-8	Methane	13		u BL

KW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW60-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-105-1/2
Sample Volume :	10	Lab File ID :	G262715.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	150 J LR ~~450~~	~~E~~

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11DL

SAMPLE NO
OU1-52GW60-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-108-2/2
Sample Volume :	1	Lab File ID :	G262718.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	130	

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GPL Laboratories

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12

SAMPLE NO
OU1-52GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-107-1/2
Sample Volume :	10	Lab File ID :	G262716.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	900 J LR ~~900~~	~~E~~

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GPL Laboratories

GPL
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12DL

SAMPLE NO
OU1-52GW35-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-108-2/2
Sample Volume :	.1	Lab File ID :	G262719.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	1200	

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GPL Laboratories

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13

SAMPLE NO
OU1-52GW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-109-1/2
Sample Volume :	10	Lab File ID :	G262717.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	110 J LR ~~110~~	~~E~~
74-82-8	Methane	400 J LR ~~400~~	~~E~~

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-52GW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-110-2/2
Sample Volume :	.1	Lab File ID :	G262720.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	490	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-52GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-111-1/2
Sample Volume :	10	Lab File ID :	G262723.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	160 J LR ~~160~~	~~E~~

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14DL

SAMPLE NO
OU1-52GW34-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-112-2/2
Sample Volume :	1	Lab File ID :	G262725.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	96	

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FORM I
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW41P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-113-1/2
Sample Volume :	10	Lab File ID :	G262724.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	77J LR ~~77~~	~~E~~

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW41P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-114-2/2
Sample Volume :	1	Lab File ID :	G262726.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/30/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	64	

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6/3/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903125

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW50-0309	903125-001	Water
2	OU1-52GW51-0309DL	903125-002	Water
3	OU1-52GW40-0309	903125-003	Water
4	OU1-52GW69-0309	903125-004	Water
5	OU1-52GW70-0309	903125-005	Water
5DL	OU1-52GW70-0309DL	903125-005DL	Water
6	OU1-52GW37-0309DL	903125-006	Water
7	OU1-52GW41-0309	903125-007	Water
8	OU1-52GW36-0309	903125-008	Water
9	OU1-52GW52-0309	903125-009	Water
10	OU1-52GW45-0309	903125-010	Water
11	OU1-52GW60-0309	903125-011	Water
12	OU1-52GW35-0309DL	903125-012	Water
13	OU1-52GW53-0309	903125-013	Water
13DL	OU1-52GW53-0309DL	903125-013DL	Water
14	OU1-52GW34-0309	903125-014	Water
15	OU1-52GW41P-0309	903125-015	Water
16	OU1-TB11-0309	903125-016	Water
17	OU1-TB12-0309	903125-017	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/27/09	Bromomethane	59.4%	J/UJ	1-3
03/31/09	Vinyl acetate	57.8%	J/UJ	5DL, 13, 15, 17
	Tetrachloroethene	46.0%	J	13
04/01/09	Vinyl acetate	57.2%	UJ	13DL

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108942	Bromomethane	150%	None	All ND
	Trichlorofluoromethane	160%	None	All ND
BKS108944	Bromomethane	148%	None	All ND
	Methyl acetate	142%	None	All ND
	Tetrachloroethylene	160%	None	All ND
	Trichlorofluoromethane	148%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-TB11-0309	None - ND	-	-	-	-
OU1-TB12-0309	None - ND	-	-	-	-
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW41-0309 ug/L	OU1-52GW41P-0309 ug/L	RPD	Qualifier
1,1-Dichloroethane	1.1	0.84	27%	None
Acetone	5.0 U	2.1	NC	None
Methylene chloride	3.7	2.4	43%	None
Trichloroethene	18	19	5%	None
cis-1,2-Dichloroethene	4.2	3.8	10%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #s 5 and 13 exhibited high concentrations of trichloroethene and/or cis-1,2-dichloeoethene and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for both compounds should be used for reporting.

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-001-1/3
Sample Volume :	5	Lab File ID :	A62656.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-001-1/3
Sample Volume :	5	Lab File ID :	A62656.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	0.95	J
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-001-1/3
Sample Volume :	5	Lab File ID :	A62656.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.3	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-004-1/3
Sample Volume :	.1	Lab File ID :	A62658.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-004-1/3
Sample Volume :	.1	Lab File ID :	A62658.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	170	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	1800	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-004-1/3
Sample Volume :	.1	Lab File ID :	A62658.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	250	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

GPL
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3

SAMPLE NO
OU1-52GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-007-1/3
Sample Volume :	5	Lab File ID :	A62660.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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3

SAMPLE NO
OU1-52GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-007-1/3
Sample Volume :	5	Lab File ID :	A62660.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.6	
75-69-4	Trichlorofluoromethane	1.0	U

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3

SAMPLE NO
OU1-52GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-007-1/3
Sample Volume :	5	Lab File ID :	A62660.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	3.1	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-52GW69-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-010-1/3
Sample Volume :	5	Lab File ID :	A62672.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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4

SAMPLE NO
OU1-52GW69-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-010-1/3
Sample Volume :	5	Lab File ID :	A62672.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW69-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-010-1/3
Sample Volume :	5	Lab File ID :	A62672.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW70-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-013-1/3
Sample Volume :	5	Lab File ID :	A62674.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW70-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-013-1/3
Sample Volume :	5	Lab File ID :	A62674.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	380 ~~460~~	~~E~~ R DL
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW70-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-013-1/3
Sample Volume :	5	Lab File ID :	A62674.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.4	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

SDL

SAMPLE NO
OU1-52GW70-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-014-2/3
Sample Volume :	.5	Lab File ID :	A62765.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

R DL

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-52GW70-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-014-2/3
Sample Volume :	.5	Lab File ID :	A62765.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

R DL

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	380	
75-69-4	Trichlorofluoromethane	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-52GW70-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-014-2/3
Sample Volume :	.5	Lab File ID :	A62765.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ conf
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-016-1/3
Sample Volume :	.1	Lab File ID :	A62676.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-016-1/3
Sample Volume :	.1	Lab File ID :	A62676.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	160	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	950	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-016-1/3
Sample Volume :	.1	Lab File ID :	A62676.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	200	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-019-1/3
Sample Volume :	5	Lab File ID :	A62678.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.1	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-019-1/3
Sample Volume :	5	Lab File ID :	A62678.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.7	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	18	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-019-1/3
Sample Volume :	5	Lab File ID :	A62678.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	4.2	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-008-022-1/3
Sample Volume :	5	Lab File ID :	A62680.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-008-022-1/3
Sample Volume :	5	Lab File ID :	A62680.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-52GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-008-022-1/3
Sample Volume :	5	Lab File ID :	A62680.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW52-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-009-025-1/3
Sample Volume :	5	Lab File ID :	A62682.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW52-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-009-025-1/3
Sample Volume :	5	Lab File ID :	A62682.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	8.1	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW52-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-009-025-1/3
Sample Volume :	5	Lab File ID :	A62682.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No..:		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-010-130-1/2
Sample Volume :	5	Lab File ID :	A62684.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-010-130-1/2
Sample Volume :	5	Lab File ID :	A62684.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW60-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-031-1/3
Sample Volume :	5	Lab File ID :	A62686.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW60-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-031-1/3
Sample Volume :	5	Lab File ID :	A62686.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW60-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-031-1/3
Sample Volume :	5	Lab File ID :	A62686.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.3	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW35-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-034-1/3
Sample Volume :	.1	Lab File ID :	A62688.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-52GW35-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-034-1/3
Sample Volume :	.1	Lab File ID :	A62688.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	170	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	540	
75-69-4	Trichlorofluoromethane	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-52GW35-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-034-1/3
Sample Volume :	.1	Lab File ID :	A62688.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	560	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-037-1/3
Sample Volume :	5	Lab File ID :	A62764.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	3.8	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-037-1/3
Sample Volume :	5	Lab File ID :	A62764.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	2.0	
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	2.0	
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	10	J CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	9100 ~~12000~~	~~E~~ R DL
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
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13

SAMPLE NO
OU1-52GW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-037-1/3
Sample Volume :	5	Lab File ID :	A62764.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	21	
156-59-2	cis-1,2-Dichloroethene	600 ~~870~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	3.7	
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	0.75	J
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	3.6	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
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13DL

SAMPLE NO
OU1-52GW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-038-2/3
Sample Volume :	.02	Lab File ID :	A62779.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	250
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	250	U
71-55-6	1,1,1-Trichloroethane	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
75-34-3	1,1-Dichloroethane	250	U
75-35-4	1,1-Dichloroethene	250	U
563-58-6	1,1-Dichloropropene	250	U
87-61-6	1,2,3-Trichlorobenzene	250	U
96-18-4	1,2,3-Trichloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U
95-63-6	1,2,4-Trimethylbenzene	250	U
96-12-8	1,2-Dibromo-3-Chloropropane	500	U
95-50-1	1,2-Dichlorobenzene	250	U
107-06-2	1,2-Dichloroethane	250	U
78-87-5	1,2-Dichloropropane	250	U
108-67-8	1,3,5-trimethylbenzene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
142-28-9	1,3-Dichloropropane	250	U
106-46-7	1,4-Dichlorobenzene	250	U
594-20-7	2,2-Dichloropropane	250	U
78-93-3	2-Butanone	1300	U
95-49-8	2-Chlorotoluene	250	U
591-78-6	2-Hexanone	1300	U
106-43-4	4-Chlorotoluene	250	U
99-87-6	4-Isopropyltoluene	250	U
108-10-1	4-Methyl-2-Pentanone	1300	U
67-64-1	Acetone	1300	U
71-43-2	Benzene	250	U
108-86-1	Bromobenzene	250	U

DL

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-52GW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-038-2/3
Sample Volume :	.02	Lab File ID :	A62779.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	250
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	250	U
75-27-4	Bromodichloromethane	250	U
75-25-2	Bromoform	250	U
74-83-9	Bromomethane	250	U
75-15-0	Carbon Disulfide	250	U
56-23-5	Carbon Tetrachloride	250	U
108-90-7	Chlorobenzene	250	U
75-00-3	Chloroethane	250	U
67-66-3	Chloroform	250	U
74-87-3	Chloromethane	250	U
110-82-7	Cyclohexane	250	U
124-48-1	Dibromochloromethane	250	U
74-95-3	Dibromomethane	250	U
75-71-8	Dichlorodifluoromethane	250	U
100-41-4	Ethylbenzene	250	U
106-93-4	Ethylene DiBromide	250	U
76-13-1	Freon 113	250	U
87-68-3	Hexachlorobutadiene	250	U
98-82-8	Isopropylbenzene	250	U
79-20-9	Methyl Acetate	250	U
108-87-2	Methylcyclohexane	250	U
75-09-2	Methylene Chloride	250	U
91-20-3	Naphthalene	250	U
135-98-8	Sec-Butylbenzene	250	U
100-42-5	Styrene	250	U
127-18-4	Tetrachloroethylene	250	U
108-88-3	Toluene	250	U
79-01-6	Trichloroethene	9700	
75-69-4	Trichlorofluoromethane	250	U

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13DL

SAMPLE NO
OU1-52GW53-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-038-2/3
Sample Volume :	.02	Lab File ID :	A62779.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	250
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	250	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	250	U
156-59-2	cis-1,2-Dichloroethene	600	
10061-01-5	cis-1,3-Dichloropropene	250	U
136777-61-2	m,p-Xylene	250	U
104-51-8	n-Butylbenzene	250	U
103-65-1	n-Propylbenzene	250	U
95-47-6	o-Xylene	250	U
98-06-6	tert-Butylbenzene	250	U
1634-04-4	tert-butyl methyl ether	250	U
156-60-5	trans-1,2-dichloroethene	250	U
10061-02-6	trans-1,3-dichloropropene	250	U

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GPL Laboratories

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14

SAMPLE NO
OU1-52GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-040-1/3
Sample Volume :	5	Lab File ID :	A62692.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-52GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-040-1/3
Sample Volume :	5	Lab File ID :	A62692.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	110	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-040-1/3
Sample Volume :	5	Lab File ID :	A62692.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	24	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW41P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-043-1/3
Sample Volume :	5	Lab File ID :	A62758.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	0.84	J
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	2.1	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW41P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-043-1/3
Sample Volume :	5	Lab File ID :	A62758.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	19	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW41P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-043-1/3
Sample Volume :	5	Lab File ID :	A62758.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	3.8	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-TB11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-016-046-1/3
Sample Volume :	5	Lab File ID :	A62759.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-016-046-1/3
Sample Volume :	5	Lab File ID :	A62759.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-016-046-1/3
Sample Volume :	5	Lab File ID :	A62759.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

17

SAMPLE NO
OU1-TB12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-017-049-1/3
Sample Volume :	5	Lab File ID :	A62760.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

17

SAMPLE NO
OU1-TB12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-017-049-1/3
Sample Volume :	5	Lab File ID :	A62760.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

17

SAMPLE NO
OU1-TB12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-017-049-1/3
Sample Volume :	5	Lab File ID :	A62760.D
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/31/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903125

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW50-0309	903125-001	Water
1MS*	OU1-52GW50-0309MS	903125-001MS	Water
2	OU1-52GW51-0309	903125-002	Water
2MS*	OU1-52GW51-0309MS	903125-002MS	Water
3	OU1-52GW40-0309	903125-003	Water
4	OU1-52GW69-0309	903125-004	Water
5	OU1-52GW70-0309	903125-005	Water
6	OU1-52GW37-0309DL	903125-006	Water
7	OU1-52GW41-0309	903125-007	Water
7MS**	OU1-52GW41-0309MS	903125-007MS	Water
8	OU1-52GW36-0309	903125-008	Water
9	OU1-52GW52-0309	903125-009	Water
10	OU1-52GW45-0309	903125-010	Water
11	OU1-52GW60-0309	903125-011	Water
11MS**	OU1-52GW60-0309MS	903125-011MS	Water
12	OU1-52GW35-0309	903125-012	Water
13	OU1-52GW53-0309	903125-013	Water
14	OU1-52GW34-0309	903125-014	Water
15	OU1-52GW41P-0309	903125-015	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	All Samples
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Nitrite as N	135%	None	All ND
2	Nitrite as N	116%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW41-0309 ug/L	OU1-52GW41P-0309 ug/L	RPD	Qualifier
TOC, average	4.1	4.1	0%	None

Compound Quantitation - No discrepancies were identified.

GPL
Laboratories

GPL
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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW50-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-001-115-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.4	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.4	
7440-44-0	Total Organic Carbon, Average	1.4	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW51-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-002-116-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/30/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.6	
7440-44-0	Total Organic Carbon, Replicate 2	5.3	
7440-44-0	Total Organic Carbon, Replicate 3	5.0	
7440-44-0	Total Organic Carbon, Replicate 4	4.9	
7440-44-0	Total Organic Carbon, Average	5.2	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW40-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-003-117-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW69-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-004-118-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.2	
7440-44-0	Total Organic Carbon, Replicate 2	1.2	
7440-44-0	Total Organic Carbon, Replicate 3	1.2	
7440-44-0	Total Organic Carbon, Replicate 4	1.2	
7440-44-0	Total Organic Carbon, Average	1.2	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW70-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-005-119-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.1	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.1	
7440-44-0	Total Organic Carbon, Average	2.1	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW37-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-006-120-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.0	
7440-44-0	Total Organic Carbon, Replicate 2	1.9	
7440-44-0	Total Organic Carbon, Replicate 3	1.9	
7440-44-0	Total Organic Carbon, Replicate 4	2.0	
7440-44-0	Total Organic Carbon, Average	1.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW41-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-007-121-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.1	
7440-44-0	Total Organic Carbon, Replicate 2	4.1	
7440-44-0	Total Organic Carbon, Replicate 3	4.1	
7440-44-0	Total Organic Carbon, Replicate 4	4.1	
7440-44-0	Total Organic Carbon, Average	4.1	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW36-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-008-122-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.2	
7440-44-0	Total Organic Carbon, Replicate 3	1.1	
7440-44-0	Total Organic Carbon, Replicate 4	1.1	
7440-44-0	Total Organic Carbon, Average	1.2	

MW
5/8/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW52-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-009-123-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.6	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.4	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW45-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-010-124-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/29/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.4	
7440-44-0	Total Organic Carbon, Replicate 3	1.4	
7440-44-0	Total Organic Carbon, Replicate 4	1.4	
7440-44-0	Total Organic Carbon, Average	1.4	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW60-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-011-125-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/30/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.7	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.6	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW35-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-012-126-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/30/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	9.9	
7440-44-0	Total Organic Carbon, Replicate 2	10.0	
7440-44-0	Total Organic Carbon, Replicate 3	10.1	
7440-44-0	Total Organic Carbon, Replicate 4	10.1	
7440-44-0	Total Organic Carbon, Average	10.0	

Gw
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW53-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-013-127-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/30/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.8	
7440-44-0	Total Organic Carbon, Replicate 3	2.8	
7440-44-0	Total Organic Carbon, Replicate 4	2.8	
7440-44-0	Total Organic Carbon, Average	2.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW34-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125-014-128-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/30/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.4	
7440-44-0	Total Organic Carbon, Replicate 2	2.3	
7440-44-0	Total Organic Carbon, Replicate 3	2.3	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.3	

Qw
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW41P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903125
Case No.:		SDG NO.:	903125
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903125903125-015-129-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/19/2009
% Moisture:	ID.	Date Analyzed:	3/30/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.1	
7440-44-0	Total Organic Carbon, Replicate 2	4.1	
7440-44-0	Total Organic Carbon, Replicate 3	4.1	
7440-44-0	Total Organic Carbon, Replicate 4	4.1	
7440-44-0	Total Organic Carbon, Average	4.1	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-055-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.0	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-057-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW69-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW70-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-059-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-060-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	16	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-061-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	5.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-008-062-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW52-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-009-063-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-010-064-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.8	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW60-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-065-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.9	u BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-52GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-066-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-067-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-52GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-068-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW41P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-069-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/19/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/19/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	5.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW50-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-001-070-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-002-071-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-003-072-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW69-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-004-073-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW70-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-005-074-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-006-075-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-007-076-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

dw 5/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-008-077-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW
5/8/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW52-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-009-078-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/8/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-010-079-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW60-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-011-080-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-52GW35-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-012-081-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW53-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-013-082-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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5/8/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-52GW34-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-014-083-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW41P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903125
Case No. :		SDG NO :	903125
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903125-015-084-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/19/2009
% Moisture: not dec		Date Analyzed	03/23/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/8/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903144

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW32-0309	903144-001	Water
1MS	OU1-52GW32-0309MS	903144-001MS	Water
1MSD	OU1-52GW32-0309MSD	903144-001MSD	Water
1DL	OU1-52GW32-0309DL	903144-001DL	Water
2	OU1-52GW33-0309	903144-002	Water
2DL	OU1-52GW33-0309DL	903144-002DL	Water
3	OU1-52GW43-0309	903144-003	Water
3DL	OU1-52GW43-0309DL	903144-003DL	Water
4	OU1-52GW44-0309	903144-004	Water
4DL	OU1-52GW44-0309DL	903144-004DL	Water
5	OU1-52GW44P-0309	903144-005	Water
5DL	OU1-52GW44P-0309DL	903144-005DL	Water
6	OU1-52GW54-0309	903144-006	Water
6DL	OU1-52GW54-0309DL	903144-006DL	Water
7	OU1-52GW59-0309	903144-007	Water
7DL	OU1-52GW59-0309DL	903144-007DL	Water
8	OU1-52GW63-0309	903144-008	Water
8DL	OU1-52GW63-0309DL	903144-008DL	Water
9	OU1-52GW64-0309	903144-009	Water
9DL	OU1-52GW64-0309DL	903144-009DL	Water
10	OU1-52GW65-0309	903144-010	Water
10DL	OU1-52GW65-0309DL	903144-010DL	Water
11	OU1-52GW66-0309	903144-011	Water
11DL	OU1-52GW66-0309DL	903144-011DL	Water
12	OU1-52GW67-0309	903144-012	Water
12DL	OU1-52GW67-0309DL	903144-012DL	Water
13	OU1-52GW68-0309	903144-013	Water
13DL	OU1-52GW68-0309DL	903144-013DL	Water
14	OU1-52GW73-0309	903144-014	Water
15	OU1-52GW74-0309	903144-015	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Ethane	74%/74%/Ok	J/UJ
	Methane	64%/64%/Ok	None - Already qualified

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 4DL, 5DL, 6DL, 7DL, 8DL, 9DL, 10DL, 11DL, 12DL, 13DL, 15
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW44-0309 ug/L	OU1-52GW44P-0309 ug/L	RPD	Qualifier
Methane	20000	16000	22%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-001-085-1/2
Sample Volume :	10	Lab File ID :	G262761.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	~~U~~	UJ MSL
74-85-1	Ethene	5.8	U	
74-82-8	Methane	200	~~E~~	J LR

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW32-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-001-086-2/2
Sample Volume :	1	Lab File ID :	G262763.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	77	

U BL

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-087-1/2
Sample Volume :	10	Lab File ID :	G262762.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	170	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW33-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-088-2/2
Sample Volume :	1	Lab File ID :	G262764.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	150	

U BL

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-089-1/2
Sample Volume :	10	Lab File ID :	G262766.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	48	~~E~~ J LR

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-52GW43-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-090-2/2
Sample Volume :	2	Lab File ID :	G262769.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	59	U BL

R DL

NW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-091-1/2
Sample Volume :	10	Lab File ID :	G262770.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	20000	~~E~~ J LR

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW44-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-092-2/2
Sample Volume :	.005	Lab File ID :	G262772.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	2000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	12000	U
74-85-1	Ethene	12000	U
74-82-8	Methane	33000	

k BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW44P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-093-1/2
Sample Volume :	10	Lab File ID :	G262771.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	16000	~~E~~ J-LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-52GW44P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-094-2/2
Sample Volume :	.01	Lab File ID :	G262773.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	20000	

K BL

R DL

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW54-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-095-1/2
Sample Volume :	10	Lab File ID :	G262774.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	130	~~E~~ JLR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-52GW54-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-096-2/2
Sample Volume :	1	Lab File ID :	G262776.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	160	

4 BL

RDL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-097-1/2
Sample Volume :	10	Lab File ID :	G262775.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	90	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-52GW59-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-098-2/2
Sample Volume :	1	Lab File ID :	G262777.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	130	

U BL

RDL

MW 6/30/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW63-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-099-1/2
Sample Volume :	10	Lab File ID :	G262780.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	68	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW63-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-100-2/2
Sample Volume :	1	Lab File ID :	G262782.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	94	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-101-1/2
Sample Volume :	10	Lab File ID :	G262781.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	52	~~E~~ J LR

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GPL Laboratories

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9DL

SAMPLE NO
OU1-52GW64-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-102-2/2
Sample Volume :	2	Lab File ID :	G262783.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	30	

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GPL Laboratories

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10

SAMPLE NO
OU1-52GW65-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-103-1/2
Sample Volume :	10	Lab File ID :	G262784.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	120	~~E~~ J LR

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10DL

SAMPLE NO
OU1-52GW65-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-104-2/2
Sample Volume :	1	Lab File ID :	G262785.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	140	

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11

SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-105-1/2
Sample Volume :	10	Lab File ID :	G262799.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	66	~~E~~ J LR

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11DL

SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-106-2/2
Sample Volume :	2	Lab File ID :	G262801.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	56	

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GPL Laboratories

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SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-107-1/2
Sample Volume :	10	Lab File ID :	G262800.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.2	J
74-82-8	Methane	100	~~E~~ J LR

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12DL

SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-108-2/2
Sample Volume :	1	Lab File ID :	G262802.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	67	

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13

SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-109-1/2
Sample Volume :	10	Lab File ID :	G262803.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	270	~~E~~

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13DL

SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-110-2/2
Sample Volume :	.2	Lab File ID :	G262805.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	200	

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14

SAMPLE NO
OU1-52GW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-014-111-1/2
Sample Volume :	10	Lab File ID :	G262804.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	33	

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GPL Laboratories

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15

SAMPLE NO
OU1-52GW74-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-015-113-1/2
Sample Volume :	10	Lab File ID :	G262808.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	27	

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ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903144

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW32-0309	903144-001	Water
2	OU1-52GW33-0309	903144-002	Water
2DL	OU1-52GW33-0309DL	903144-002DL	Water
3	OU1-52GW43-0309	903144-003	Water
4	OU1-52GW44-0309	903144-004	Water
4DL	OU1-52GW44-0309DL	903144-004DL	Water
5	OU1-52GW44P-0309DL	903144-005DL	Water
6	OU1-52GW54-0309	903144-006	Water
7	OU1-52GW59-0309	903144-007	Water
8	OU1-52GW63-0309	903144-008	Water
9	OU1-52GW64-0309	903144-009	Water
10	OU1-52GW65-0309	903144-010	Water
11	OU1-52GW66-0309	903144-011	Water
12	OU1-52GW67-0309	903144-012	Water
13	OU1-52GW68-0309	903144-013	Water
14	OU1-52GW73-0309	903144-014	Water
15	OU1-52GW74-0309	903144-015	Water
16	OU1-TB16-0309	903144-016	Water
17	OU1-TB17-0309	903144-017	Water
18	OU1-TB18-0309	903144-018	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/27/09	Bromomethane	144%	J/UJ	1-4
	Chloroethane	99%	J/UJ	1-4
	Trichlorofluoromethane	104%	J/UJ	1-4
04/01/09 (0810)	Vinyl acetate	57.2%	J/UJ	2DL, 4DL, 5-11
04/01/09 (2024)	Vinyl acetate	65.7%	J/UJ	12-18
	Tetrachloroethene	78.2%	J/UJ	12-18

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS108961	Allyl chloride	0%	J/R	1-4
	Bromochloromethane	132%	None	All ND
	Bromomethane	200%	None	All ND
	Chloroethane	186%	None	All ND
	Freon 113	144%	None	All ND
	Tetrachloroethylene	162%	None	All ND
	Trichlorofluoromethane	176%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB16-0309	None - ND	-	-	-	-
OU1-TB17-0309	None - ND	-	-	-	-
OU1-TB18-0309	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW44-0309 ug/L	OU1-52GW44P-0309 ug/L	RPD	Qualifier
Methylene chloride	2.6	50 U	NC	None
Trichloroethene	160	100	46%	None
cis-1,2-Dichloroethene	1900	1200	45%	None
trans-1,2-Dichloroethene	33	60	58%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting.

GPL Laboratories

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SAMPLE NO
OU1-52GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-001-001-1/3
Sample Volume :	5	Lab File ID :	A62685.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	0.91	J
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
107-05-1	Allyl Chloride (3-Chloropropene)	1.0	~~U~~ R BSL
71-43-2	Benzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-001-001-1/3
Sample Volume :	5	Lab File ID :	A62685.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	~~U~~ UJ CCH
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	45	

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SAMPLE NO
OU1-52GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-001-001-1/3
Sample Volume :	5	Lab File ID :	A62685.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-69-4	Trichlorofluoromethane	1.0	~~U~~ UJ CCH
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	21	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.8	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-004-1/3
Sample Volume :	5	Lab File ID :	A62687.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	64	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
107-05-1	Allyl Chloride (3-Chloropropene)	1.0	~~U~~ R BSL
71-43-2	Benzene	1.0	U

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2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-004-1/3
Sample Volume :	5	Lab File ID :	A62687.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.6		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	2.0		
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	390 ~~1300~~	~~E~~	R DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-004-1/3
Sample Volume :	5	Lab File ID :	A62687.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-69-4	Trichlorofluoromethane	1.0	~~U~~
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	48	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW33-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-005-2/3
Sample Volume :	.1	Lab File ID :	A62783.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW33-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-005-2/3
Sample Volume :	.1	Lab File ID :	A62783.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	390	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW33-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-005-2/3
Sample Volume :	.1	Lab File ID :	A62783.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

R DL

3

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-007-1/3
Sample Volume :	5	Lab File ID :	A62689.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
107-05-1	Allyl Chloride (3-Chloropropene)	1.0	~~U~~
71-43-2	Benzene	1.0	U

R BSL

3

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-007-1/3
Sample Volume :	5	Lab File ID :	A62689.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.4		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.1		

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-007-1/3
Sample Volume :	5	Lab File ID :	A62689.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-69-4	Trichlorofluoromethane	1.0	U
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-010-1/3
Sample Volume :	5	Lab File ID :	A62691.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
107-05-1	Allyl Chloride (3-Chloropropene)	1.0	~~U~~ R BSL
71-43-2	Benzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-010-1/3
Sample Volume :	5	Lab File ID :	A62691.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	~~U~~ UJ CCH
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	~~U~~ UJ CCH
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	160	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-010-1/3
Sample Volume :	5	Lab File ID :	A62691.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/28/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCV
108-05-4	Vinyl Acetate	1.0	U	
75-01-4	Vinyl Chloride	1.0	U	
156-59-2	cis-1,2-Dichloroethene	1900 ~~4700~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	U	
156-60-5	trans-1,2-dichloroethene	33		
10061-02-6	trans-1,3-dichloropropene	1.0	U	

4DL

GPL Laboratories

GPL
FORM 1
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SAMPLE NO
OU1-52GW44-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-011-2/3
Sample Volume :	.05	Lab File ID :	A62784.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	100	U
71-55-6	1,1,1-Trichloroethane	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
75-34-3	1,1-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
563-58-6	1,1-Dichloropropene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
96-18-4	1,2,3-Trichloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
95-63-6	1,2,4-Trimethylbenzene	100	U
96-12-8	1,2-Dibromo-3-Chloropropane	200	U
95-50-1	1,2-Dichlorobenzene	100	U
107-06-2	1,2-Dichloroethane	100	U
78-87-5	1,2-Dichloropropane	100	U
108-67-8	1,3,5-trimethylbenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
142-28-9	1,3-Dichloropropane	100	U
106-46-7	1,4-Dichlorobenzene	100	U
594-20-7	2,2-Dichloropropane	100	U
78-93-3	2-Butanone	500	U
95-49-8	2-Chlorotoluene	100	U
591-78-6	2-Hexanone	500	U
106-43-4	4-Chlorotoluene	100	U
99-87-6	4-Isopropyltoluene	100	U
108-10-1	4-Methyl-2-Pentanone	500	U
67-64-1	Acetone	500	U
71-43-2	Benzene	100	U
108-86-1	Bromobenzene	100	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

40L

SAMPLE NO
OU1-52GW44-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-011-2/3
Sample Volume :	.05	Lab File ID :	A62784.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
110-82-7	Cyclohexane	100	U
124-48-1	Dibromochloromethane	100	U
74-95-3	Dibromomethane	100	U
75-71-8	Dichlorodifluoromethane	100	U
100-41-4	Ethylbenzene	100	U
106-93-4	Ethylene DiBromide	100	U
76-13-1	Freon 113	100	U
87-68-3	Hexachlorobutadiene	100	U
98-82-8	Isopropylbenzene	100	U
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-09-2	Methylene Chloride	100	U
91-20-3	Naphthalene	100	U
135-98-8	Sec-Butylbenzene	100	U
100-42-5	Styrene	100	U
127-18-4	Tetrachloroethylene	100	U
108-88-3	Toluene	100	U
79-01-6	Trichloroethene	100	U
75-69-4	Trichlorofluoromethane	100	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW44-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-011-2/3
Sample Volume :	.05	Lab File ID :	A62784.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	100	~~U~~
75-01-4	Vinyl Chloride	100	U
156-59-2	cis-1,2-Dichloroethene	1900	
10061-01-5	cis-1,3-Dichloropropene	100	U
136777-61-2	m,p-Xylene	100	U
104-51-8	n-Butylbenzene	100	U
103-65-1	n-Propylbenzene	100	U
95-47-6	o-Xylene	100	U
98-06-6	tert-Butylbenzene	100	U
1634-04-4	tert-butyl methyl ether	100	U
156-60-5	trans-1,2-dichloroethene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW44P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-013-1/3
Sample Volume :	.1	Lab File ID :	A62785.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW44P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-013-1/3
Sample Volume :	.1	Lab File ID :	A62785.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	100	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW44P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-013-1/3
Sample Volume :	.1	Lab File ID :	A62785.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	1200	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	60	
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

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6

SAMPLE NO
OU1-52GW54-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-016-1/3
Sample Volume :	5	Lab File ID :	A62786.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	3.0	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW54-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-016-1/3
Sample Volume :	5	Lab File ID :	A62786.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW54-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-016-1/3
Sample Volume :	5	Lab File ID :	A62786.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-019-1/3
Sample Volume :	5	Lab File ID :	A62787.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-019-1/3
Sample Volume :	5	Lab File ID :	A62787.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-019-1/3
Sample Volume :	5	Lab File ID :	A62787.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW63-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-022-1/3
Sample Volume :	5	Lab File ID :	A62788.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
544-10-5	1-Chlorohexane	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.8	
71-43-2	Benzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW63-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-022-1/3
Sample Volume :	5	Lab File ID :	A62788.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-86-1	Bromobenzene	1.0	U
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U

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GPL Laboratories

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8

SAMPLE NO
OU1-52GW63-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-022-1/3
Sample Volume :	5	Lab File ID :	A62788.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-69-4	Trichlorofluoromethane	1.0	U
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-025-1/3
Sample Volume :	5	Lab File ID :	A62789.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	3.2	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

lw 5/6/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-025-1/3
Sample Volume :	5	Lab File ID :	A62789.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	190	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-025-1/3
Sample Volume :	5	Lab File ID :	A62789.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	8.2	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

WJ CQH

GPL Laboratories

GPL
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SAMPLE NO
OU1-52GW65-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-028-1/3
Sample Volume :	5	Lab File ID :	A62790.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW65-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-028-1/3
Sample Volume :	5	Lab File ID :	A62790.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW65-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-028-1/3
Sample Volume :	5	Lab File ID :	A62790.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-031-1/3
Sample Volume :	5	Lab File ID :	A62791.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-031-1/3
Sample Volume :	5	Lab File ID :	A62791.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-031-1/3
Sample Volume :	5	Lab File ID :	A62791.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-034-1/3
Sample Volume :	5	Lab File ID :	A62797.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-034-1/3
Sample Volume :	5	Lab File ID :	A62797.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.0	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ us CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-034-1/3
Sample Volume :	5	Lab File ID :	A62797.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-037-1/3
Sample Volume :	5	Lab File ID :	A62798.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-037-1/3
Sample Volume :	5	Lab File ID :	A62798.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.1	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	11	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-037-1/3
Sample Volume :	5	Lab File ID :	A62798.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	23	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-014-040-1/3
Sample Volume :	5	Lab File ID :	A62799.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-014-040-1/3
Sample Volume :	5	Lab File ID :	A62799.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ U J CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-014-040-1/3
Sample Volume :	5	Lab File ID :	A62799.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

US CCH

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW74-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-015-043-1/3
Sample Volume :	5	Lab File ID :	A62800.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW74-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-015-043-1/3
Sample Volume :	5	Lab File ID :	A62800.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW74-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-015-043-1/3
Sample Volume :	5	Lab File ID :	A62800.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

U J CCH

LWD 5/16/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-016-046-1/3
Sample Volume :	5	Lab File ID :	A62801.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

RW 5/10/09

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-TB16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-016-046-1/3
Sample Volume :	5	Lab File ID :	A62801.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ U1 CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-016-046-1/3
Sample Volume :	5	Lab File ID :	A62801.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

RW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-TB17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-017-049-1/3
Sample Volume :	5	Lab File ID :	A62802.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-TB17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-017-049-1/3
Sample Volume :	5	Lab File ID :	A62802.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ U J CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-TB17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-017-049-1/3
Sample Volume :	5	Lab File ID :	A62802.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-TB18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-018-052-1/3
Sample Volume :	5	Lab File ID :	A62803.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-TB18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-018-052-1/3
Sample Volume :	5	Lab File ID :	A62803.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

JW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

18

SAMPLE NO
OU1-TB18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-018-052-1/3
Sample Volume :	5	Lab File ID :	A62803.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

UJ CCH

LCW 5/10/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903144

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW32-0309	903144-001	Water
1MS*	OU1-52GW32-0309MS	903144-001MS	Water
2	OU1-52GW33-0309	903144-002	Water
2MS*	OU1-52GW33-0309MS	903144-002MS	Water
3	OU1-52GW43-0309	903144-003	Water
4	OU1-52GW44-0309	903144-004	Water
5	OU1-52GW44P-0309	903144-005	Water
6	OU1-52GW54-0309	903144-006	Water
7	OU1-52GW59-0309	903144-007	Water
8	OU1-52GW53-0309	903144-008	Water
9	OU1-52GW64-0309	903144-009	Water
10	OU1-52GW65-0309	903144-010	Water
11	OU1-52GW66-0309	903144-011	Water
12	OU1-52GW67-0309	903144-012	Water
13	OU1-52GW68-0309	903144-013	Water
14	OU1-52GW73-0309	903144-014	Water
15	OU1-52GW74-0309	903144-015	Water

** MS - Nitrate, Nitrite, Chloride, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters except the following.

Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
10	03/19/09	03/31/09	12	J/UJ - for Nitrate, Nitrite

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-8, 10-15
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Nitrite	126%	None	All ND
2	Nitrite	115%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW44-0309 mg/L	OU1-52GW44P-0309 mg/L	RPD	Qualifier
TOC, average	6.7	6.9	3%	None

Compound Quantitation - No discrepancies were identified.

GPL
Laboratories

GPL
FORM 1
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SAMPLE NO
OU1-52GW32-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-001-115-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/1/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.9	
7440-44-0	Total Organic Carbon, Replicate 2	1.7	
7440-44-0	Total Organic Carbon, Replicate 3	1.7	
7440-44-0	Total Organic Carbon, Replicate 4	1.7	
7440-44-0	Total Organic Carbon, Average	1.7	

RW 5/10/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW33-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-002-116-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/1/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.6	
7440-44-0	Total Organic Carbon, Replicate 3	2.6	
7440-44-0	Total Organic Carbon, Replicate 4	2.6	
7440-44-0	Total Organic Carbon, Average	2.6	

Qw
5/10/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW43-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-003-117-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID:	Date Analyzed:	4/1/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.3	
7440-44-0	Total Organic Carbon, Replicate 2	1.1	
7440-44-0	Total Organic Carbon, Replicate 3	1.1	
7440-44-0	Total Organic Carbon, Replicate 4	1.1	
7440-44-0	Total Organic Carbon, Average	1.1	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW44-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-004-118-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/1/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.9	
7440-44-0	Total Organic Carbon, Replicate 2	7.2	
7440-44-0	Total Organic Carbon, Replicate 3	6.4	
7440-44-0	Total Organic Carbon, Replicate 4	6.3	
7440-44-0	Total Organic Carbon, Average	6.7	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW44P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-005-119-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID:	Date Analyzed:	4/1/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.9	
7440-44-0	Total Organic Carbon, Replicate 2	6.8	
7440-44-0	Total Organic Carbon, Replicate 3	6.9	
7440-44-0	Total Organic Carbon, Replicate 4	6.9	
7440-44-0	Total Organic Carbon, Average	6.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW54-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-006-120-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.9	
7440-44-0	Total Organic Carbon, Replicate 2	1.6	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.6	

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GPL
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GPL
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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW59-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-007-121-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	1.9	
7440-44-0	Total Organic Carbon, Replicate 3	1.8	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW63-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-008-122-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.3	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.2	
7440-44-0	Total Organic Carbon, Replicate 4	1.2	
7440-44-0	Total Organic Carbon, Average	1.2	

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GPL
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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW64-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-009-123-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.9	
7440-44-0	Total Organic Carbon, Replicate 2	1.9	
7440-44-0	Total Organic Carbon, Replicate 3	1.9	
7440-44-0	Total Organic Carbon, Replicate 4	1.9	
7440-44-0	Total Organic Carbon, Average	1.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW65-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-010-124-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.2	
7440-44-0	Total Organic Carbon, Replicate 2	1.0	
7440-44-0	Total Organic Carbon, Replicate 3	1.0	
7440-44-0	Total Organic Carbon, Replicate 4	1.0	J
7440-44-0	Total Organic Carbon, Average	1.0	

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lw 5/10/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW66-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-011-125-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID:	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW67-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-012-126-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.9	
7440-44-0	Total Organic Carbon, Replicate 2	2.0	
7440-44-0	Total Organic Carbon, Replicate 3	2.0	
7440-44-0	Total Organic Carbon, Replicate 4	1.9	
7440-44-0	Total Organic Carbon, Average	1.9	

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DW
5/10/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW68-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-013-127-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.4	
7440-44-0	Total Organic Carbon, Replicate 2	2.3	
7440-44-0	Total Organic Carbon, Replicate 3	2.3	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.3	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW73-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-014-128-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW74-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903144
Case No.:		SDG NO.:	903144
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903144-015-129-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.6	
7440-44-0	Total Organic Carbon, Replicate 3	2.5	
7440-44-0	Total Organic Carbon, Replicate 4	2.5	
7440-44-0	Total Organic Carbon, Average	2.6	

FORM I SW9060

MW
5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.8	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.8	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-057-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.0	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW44P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-059-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

LW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW54-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-060-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

MW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-061-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.6	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

KW
6/30/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW63-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-062-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

AW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-063-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	26	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

MW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW65-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-064-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q	
16887-00-6	Chloride	8.5		u BL
14797-55-8	Nitrate	0.10	~~U~~	UJ HT
7727-37-9	Nitrite	0.10	~~U~~	UJ HT

MW
6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-065-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-066-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	U BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-067-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.6	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

JW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-52GW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-014-068-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

fw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW74-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-015-069-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

fw 4/3/09

GPL Laboratories

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW32-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-001-070-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW33-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-002-071-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-003-072-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-004-073-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW44P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-005-074-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW54-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-006-075-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW59-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-007-076-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW63-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-008-077-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-009-078-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

Mes 5/10/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-52GW65-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-010-079-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-52GW66-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-011-080-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-52GW67-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-012-081-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

gw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-52GW68-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-013-082-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-52GW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-014-083-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-52GW74-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903144
Case No. :		SDG NO :	903144
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903144-015-084-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903145

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-N2GW41-0309	903145-001	Water
1MS	OU1-N2GW41-0309MS	903145-001MS	Water
1MSD	OU1-N2GW41-0309MSD	903145-001MSD	Water
1DL	OU1-N2GW41-0309DL	903145-001DL	Water
2	OU1-52GW15-0309	903145-002	Water
2DL	OU1-52GW15-0309DL	903145-002DL	Water
3	OU1-52GW24-0309	903145-003	Water
3DL	OU1-52GW24-0309DL	903145-003DL	Water
4	OU1-52GW29-0309	903145-004	Water
4DL	OU1-52GW29-0309DL	903145-004DL	Water
5	OU1-N2GW29-0309	903145-005	Water
5DL	OU1-N2GW29-0309DL	903145-005DL	Water
6	OU1-52GW28-0309	903145-006	Water
6DL	OU1-52GW28-0309DL	903145-006DL	Water
7	OU1-52GW28P-0309	903145-007	Water
7DL	OU1-52GW28P-0309DL	903145-007DL	Water
8	OU1-52GW27-0309	903145-008	Water
8DL	OU1-52GW27-0309DL	903145-008DL	Water
9	OU1-N2GW17-0309	903145-009	Water
9DL	OU1-N2GW17-0309DL	903145-009DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Methane	75%/63%/Ok	None - Already qualified

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 4DL, 5DL, 6DL, 7DL, 8DL, 9DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW28-0309 ug/L	OU1-52GW28P-0309 ug/L	RPD	Qualifier
Ethene	4.9	5.8 U	NC	None
Methane	120	110	9%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-N2GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-050-1/2
Sample Volume :	10	Lab File ID :	G262813.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	37	~~E~~ JLR

JW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-N2GW41-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-050-2/2
Sample Volume :	2	Lab File ID :	G262818.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	24	

U BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-051-1/2
Sample Volume :	10	Lab File ID :	G262814.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	38	~~E~~ J LR

LW 5/10/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

20L

SAMPLE NO
OU1-52GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-052-2/2
Sample Volume :	2	Lab File ID :	G262819.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	23	

u BL

RDL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-053-1/2
Sample Volume :	10	Lab File ID :	G262820.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	86	~~E~~ J LR

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-52GW24-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-054-2/2
Sample Volume :	1	Lab File ID :	G262822.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	69	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-055-1/2
Sample Volume :	10	Lab File ID :	G262821.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	79	~~E~~

JLR

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW29-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-056-2/2
Sample Volume :	1	Lab File ID :	G262823.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	59	

U BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-057-1/2
Sample Volume :	10	Lab File ID :	G262824.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	5400	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-N2GW29-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-058-2/2
Sample Volume :	.01	Lab File ID :	G262826.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	8500	

U DL

R DL

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GPL Laboratories

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FORM 1
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6

SAMPLE NO
OU1-52GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-059-1/2
Sample Volume :	10	Lab File ID :	G262825.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	4.9	J
74-82-8	Methane	120	~~E~~

J LR

hw 5/10/09

GPL Laboratories

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ANALYSIS DATA SHEET

60L

SAMPLE NO
OU1-52GW28-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-060-2/2
Sample Volume :	1	Lab File ID :	G262827.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	96	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW28P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-061-1/2
Sample Volume :	10	Lab File ID :	G262829.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	110	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-52GW28P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-061-2/2
Sample Volume :	1	Lab File ID :	G262832.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	140	

u BL

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-063-1/2
Sample Volume :	10	Lab File ID :	G262830.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	350	~~E~~ J LR

lw 5/10/09

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW27-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-064-2/2
Sample Volume :	.1	Lab File ID :	G262833.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	440	

u DL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-065-1/2
Sample Volume :	10	Lab File ID :	G262831.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	130	~~E~~	JLR
74-85-1	Ethene	5.8	U	
74-82-8	Methane	2700	~~E~~	JLR

RW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-N2GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-065-2/2
Sample Volume :	.01	Lab File ID :	G262834.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	3700	

u BL

RDL

MW 6/3/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903145

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-N2GW41-0309	903145-001	Water
2	OU1-52GW15-0309	903145-002	Water
3	OU1-52GW24-0309	903145-003	Water
4	OU1-52GW29-0309	903145-004	Water
5	OU1-N2GW29-0309	903145-005	Water
6	OU1-52GW28-0309DL	903145-006	Water
7	OU1-52GW28P-0309DL	903145-007	Water
8	OU1-52GW27-0309	903145-008	Water
9	OU1-N2GW17-0309	903145-009	Water
9DL	OU1-N2GW17-0309DL	903145-009DL	Water
10	OU1-TB19-0309	903145-010	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/01/09	Vinyl acetate	65.7%	J/UJ	1-10
	Tetrachloroethylene	78.2%	J/UJ	1-10
04/02/09	Vinyl acetate	58.5%	J/UJ	9DL

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
9	4-Bromofluorobenzene	143%	J - All positive results

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB19-0309	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW28-0309DL ug/L	OU1-52GW28P-0309DL ug/L	RPD	Qualifier
1,1-Dichloroethane	370	360	3%	None
Freon 113	400	50 U	NC	None
Methylene chloride	50 U	110	NC	None
Trichloroethene	920	970	5%	None
cis-1,2-Dichloroethene	400	390	3%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #9 exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The sample was diluted and reanalyzed and the dilution results for both compounds should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-001-1/3
Sample Volume :	5	Lab File ID :	A62804.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-001-1/3
Sample Volume :	5	Lab File ID :	A62804.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-001-1/3
Sample Volume :	5	Lab File ID :	A62804.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-004-1/3
Sample Volume :	5	Lab File ID :	A62805.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-004-1/3
Sample Volume :	5	Lab File ID :	A62805.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-004-1/3
Sample Volume :	5	Lab File ID :	A62805.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-007-1/3
Sample Volume :	5	Lab File ID :	A62806.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-007-1/3
Sample Volume :	5	Lab File ID :	A62806.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.9	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-007-1/3
Sample Volume :	5	Lab File ID :	A62806.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	84	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-010-1/3
Sample Volume :	5	Lab File ID :	A62807.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-010-1/3
Sample Volume :	5	Lab File ID :	A62807.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ U=CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	3.3	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-010-1/3
Sample Volume :	5	Lab File ID :	A62807.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CEH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.7	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-013-1/3
Sample Volume :	5	Lab File ID :	A62808.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	9.1	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	9.6	
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	3.3	
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	2.6	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MS 5/10/09

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-013-1/3
Sample Volume :	5	Lab File ID :	A62808.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	2.8	
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	9.5	
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	3.2	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-013-1/3
Sample Volume :	5	Lab File ID :	A62808.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	3.0	
103-65-1	n-Propylbenzene	6.8	
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW28-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-016-1/3
Sample Volume :	.1	Lab File ID :	A62809.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	370	
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW28-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-016-1/3
Sample Volume :	.1	Lab File ID :	A62809.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	400	
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	~~U~~ UJ CCH
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	920	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW28-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-016-1/3
Sample Volume :	.1	Lab File ID :	A62809.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	400	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW28P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-019-1/3
Sample Volume :	.1	Lab File ID :	A62810.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	360	
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW28P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-019-1/3
Sample Volume :	.1	Lab File ID :	A62810.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	110	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	~~U~~ UJ CCH
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	970	
75-69-4	Trichlorofluoromethane	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW28P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-019-1/3
Sample Volume :	.1	Lab File ID :	A62810.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	390	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-022-1/3
Sample Volume :	5	Lab File ID :	A62811.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	6.6	
75-35-4	1,1-Dichloroethene	2.7	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-022-1/3
Sample Volume :	5	Lab File ID :	A62811.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.9	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	100	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-022-1/3
Sample Volume :	5	Lab File ID :	A62811.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	70	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	7.1	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-025-1/3
Sample Volume :	5	Lab File ID :	A62812.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	3.5		J SSH
75-35-4	1,1-Dichloroethene	3.4		J SSH
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	160		J SSH
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	52 ~~460~~	~~E~~	R DL
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	26		J SSH
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	2.4	~~J~~	J SSH
71-43-2	Benzene	50		J SSH
108-86-1	Bromobenzene	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-025-1/3
Sample Volume :	5	Lab File ID :	A62812.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	12		J SSH
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0		J SSH
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	11		J SSH
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.3		J SSH
91-20-3	Naphthalene	4.9		↓ ↓
135-98-8	Sec-Butylbenzene	20		
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	~~U~~	UJ CCH
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	170		J SSH
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-025-1/3
Sample Volume :	5	Lab File ID :	A62812.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ CCH
75-01-4	Vinyl Chloride	61		J SSH
156-59-2	cis-1,2-Dichloroethene	260 ~~360~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
136777-61-2	m,p-Xylene	3.9		J SSH
104-51-8	n-Butylbenzene	1.0	U	
103-65-1	n-Propylbenzene	7.4		J SSH
95-47-6	o-Xylene	50		↓ ↓
98-06-6	tert-Butylbenzene	20		
1634-04-4	tert-butyl methyl ether	1.0	U	
156-60-5	trans-1,2-dichloroethene	8.2		J SSH
10061-02-6	trans-1,3-dichloropropene	1.0	U	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-N2GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-026-2/3
Sample Volume :	.5	Lab File ID :	A62819.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	52	
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-N2GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-026-2/3
Sample Volume :	.5	Lab File ID :	A62819.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	130	
75-69-4	Trichlorofluoromethane	10	U

RDL

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9DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-026-2/3
Sample Volume :	.5	Lab File ID :	A62819.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	45	
156-59-2	cis-1,2-Dichloroethene	260	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

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GPL Laboratories

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FORM 1
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SAMPLE NO
OU1-TB19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-010-028-1/3
Sample Volume :	5	Lab File ID :	A62813.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-010-028-1/3
Sample Volume :	5	Lab File ID :	A62813.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-TB19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-010-028-1/3
Sample Volume :	5	Lab File ID :	A62813.D
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903145

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-N2GW41-0309	903145-001	Water
2	OU1-52GW15-0309	903145-002	Water
2MS**	OU1-52GW15-0309MS	903145-002MS	Water
3	OU1-52GW24-0309	903145-003	Water
4	OU1-52GW29-0309	903145-004	Water
5	OU1-N2GW29-0309	903145-005	Water
5MS**	OU1-N2GW29-0309MS	903145-005MS	Water
6	OU1-52GW28-0309DL	903145-006	Water
7	OU1-52GW28P-0309DL	903145-007	Water
8	OU1-52GW27-0309	903145-008	Water
9	OU1-N2GW17-0309	903145-009	Water
9MS*	OU1-N2GW17-0309MS	903145-009MS	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-5, 8, 9
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
9	Nitrite	119%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW28-0309 mg/L	OU1-52GW28P-0309 mg/L	RPD	Qualifier
Chloride	29	30	3%	None
TOC, avg	4.6	4.8	4%	None

Compound Quantitation - No discrepancies were identified.

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SAMPLE NO
OU1-N2GW41-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-001-067-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.4	
7440-44-0	Total Organic Carbon, Replicate 4	1.4	
7440-44-0	Total Organic Carbon, Average	1.5	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW15-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-002-068-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.7	
7440-44-0	Total Organic Carbon, Replicate 2	4.8	
7440-44-0	Total Organic Carbon, Replicate 3	4.9	
7440-44-0	Total Organic Carbon, Replicate 4	4.9	
7440-44-0	Total Organic Carbon, Average	4.8	

LW
5/10/09

3

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW24-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-003-069-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.5	
7440-44-0	Total Organic Carbon, Replicate 3	2.5	
7440-44-0	Total Organic Carbon, Replicate 4	2.5	
7440-44-0	Total Organic Carbon, Average	2.5	

dw
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW29-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-004-070-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/2/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.9	
7440-44-0	Total Organic Carbon, Replicate 3	1.8	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW29-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-005-071-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.4	
7440-44-0	Total Organic Carbon, Replicate 3	2.4	
7440-44-0	Total Organic Carbon, Replicate 4	2.4	
7440-44-0	Total Organic Carbon, Average	2.4	

hw
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6

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW28-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-006-072-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.5	
7440-44-0	Total Organic Carbon, Replicate 2	4.5	
7440-44-0	Total Organic Carbon, Replicate 3	4.6	
7440-44-0	Total Organic Carbon, Replicate 4	4.6	
7440-44-0	Total Organic Carbon, Average	4.6	

lw
5/10/09

7

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW28P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-007-073-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.9	
7440-44-0	Total Organic Carbon, Replicate 2	4.8	
7440-44-0	Total Organic Carbon, Replicate 3	4.8	
7440-44-0	Total Organic Carbon, Replicate 4	4.8	
7440-44-0	Total Organic Carbon, Average	4.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW27-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-008-074-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.3	
7440-44-0	Total Organic Carbon, Replicate 2	2.2	
7440-44-0	Total Organic Carbon, Replicate 3	2.2	
7440-44-0	Total Organic Carbon, Replicate 4	2.2	
7440-44-0	Total Organic Carbon, Average	2.2	

fcw 5/10/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW17-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903145
Case No.:		SDG NO.:	903145
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903145-009-075-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/21/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.3	
7440-44-0	Total Organic Carbon, Replicate 2	5.4	
7440-44-0	Total Organic Carbon, Replicate 3	5.4	
7440-44-0	Total Organic Carbon, Replicate 4	5.4	
7440-44-0	Total Organic Carbon, Average	5.4	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-N2GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-031-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.6	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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lew 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-032-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.1	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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MW 6/3/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-033-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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qcw 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/21/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-035-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/22/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-036-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/22/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	29	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW28P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/22/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	30	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/22/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-039-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/22/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-039-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/21/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	17	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-001-040-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-002-041-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-003-042-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-004-043-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-005-044-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-006-045-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/15/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW28P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-007-046-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

hw
5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-008-047-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903145
Case No. :		SDG NO :	903145
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903145-009-048-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/21/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.6	

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ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903154

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW16-0309	903154-001	Water
1MS	OU1-52GW16-0309MS	903154-001MS	Water
1MSD	OU1-52GW16-0309MSD	903154-001MSD	Water
1DL	OU1-52GW16-0309DL	903154-001DL	Water
2	OU1-52GW17-0309	903154-002	Water
2DL	OU1-52GW17-0309DL	903154-002DL	Water
3	OU1-52GW17P-0309	903154-003	Water
3DL	OU1-52GW17P-0309DL	903154-003DL	Water
4	OU1-52GW18-0309	903154-004	Water
4DL	OU1-52GW18-0309DL	903154-004DL	Water
5	OU1-52GW19-0309	903154-005	Water
5DL	OU1-52GW19-0309DL	903154-005DL	Water
6	OU1-52GW19P-0309	903154-006	Water
6DL	OU1-52GW19P-0309DL	903154-006DL	Water
7	OU1-N2GW15-0309	903154-007	Water
7DL	OU1-N2GW15-0309DL	903154-007DL	Water
8	OU1-N2GW27-0309	903154-008	Water
8DL	OU1-N2GW27-0309DL	903154-008DL	Water
9	OU1-N2GW28-0309	903154-009	Water
9DL	OU1-N2GW28-0309DL	903154-009DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Ethane	Ok/71%/34	J/UJ
	Ethene	Ok/72%/33	J/UJ
	Methane	75%/31%/83	None - Already qualified

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 4DL, 5DL, 6DL, 7DL, 8DL, 9DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW17-0309DL ug/L	OU1-52GW17P-0309DL ug/L	RPD	Qualifier
Ethane	16	14	13%	None
Methane	4100	3400	19%	None

Compound	OU1-52GW19-0309DL ug/L	OU1-52GW19P-0309DL ug/L	RPD	Qualifier
Methane	110	120	9%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-016-1/6
Sample Volume :	10	Lab File ID :	G262844.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	~~U~~	UJ MSL
74-85-1	Ethene	5.8	~~U~~	UJ MSL
74-82-8	Methane	140	~~E~~	J LR

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW16-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-017-2/6
Sample Volume :	1	Lab File ID :	G262854.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	180	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-066-1/2
Sample Volume :	10	Lab File ID :	G262845.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	16	
74-85-1	Ethene	5.8	U
74-82-8	Methane	4100	~~E~~ J LR

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-067-2/2
Sample Volume :	.02	Lab File ID :	G262855.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	4700	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW17P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-068-1/2
Sample Volume :	10	Lab File ID :	G262846.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	14	
74-85-1	Ethene	5.8	U
74-82-8	Methane	3400	~~E~~ J LR

GPL Laboratories

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30L

SAMPLE NO
OU1-52GW17P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-069-2/2
Sample Volume :	.05	Lab File ID :	G262856.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	200
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1200	U
74-85-1	Ethene	1200	U
74-82-8	Methane	4200	

4 BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-070-1/2
Sample Volume :	10	Lab File ID :	G262847.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	32	
74-85-1	Ethene	6.2	
74-82-8	Methane	4800	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-071-2/2
Sample Volume :	.02	Lab File ID :	G262857.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	6300	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

S

SAMPLE NO
OU1-52GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-072-1/2
Sample Volume :	10	Lab File ID :	G262848.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	110	~~E~~

JLR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

50L

SAMPLE NO
OU1-52GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-073-2/2
Sample Volume :	1	Lab File ID :	G262858.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	140	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW19P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-074-1/2
Sample Volume :	10	Lab File ID :	G262849.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	120	~~E~~ J LR

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-52GW19P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-075-2/2
Sample Volume :	1	Lab File ID :	G262859.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	140	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N2GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-076-1/2
Sample Volume :	10	Lab File ID :	G262850.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	5800	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

70L

SAMPLE NO
OU1-N2GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-077-2/2
Sample Volume :	.02	Lab File ID :	G262860.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	7700	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-028-1/2
Sample Volume :	10	Lab File ID :	G262851.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	9100	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-N2GW27-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-029-2/2
Sample Volume :	.02	Lab File ID :	G262861.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	11000	

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6/3/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903154

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW16-0309	903154-001	Water
1MS	OU1-52GW16-0309MS	903154-001MS	Water
1MSD	OU1-52GW16-0309MSD	903154-001MSD	Water
2	OU1-52GW17-0309DL	903154-002	Water
3	OU1-52GW17P-0309DL	903154-003	Water
4	OU1-52GW18-0309	903154-004	Water
4DL	OU1-52GW18-0309DL	903154-004DL	Water
5	OU1-52GW19-0309DL	903154-005	Water
6	OU1-52GW19P-0309DL	903154-006	Water
7	OU1-N2GW15-0309	903154-007	Water
7DL	OU1-N2GW15-0309DL	903154-007DL	Water
8	OU1-N2GW27-0309	903154-008	Water
8DL	OU1-N2GW27-0309DL	903154-008DL	Water
9	OU1-N2GW28-0309	903154-009	Water
10	OU1-TB20-0309	903154-010	Water
11	OU1-TB21-0309	903154-011	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/02/09 (0817)	Vinyl acetate	58.5%	J/UJ	1, 4-11
04/02/09 (2035)	Vinyl acetate	60.4%	J/UJ	2, 3, 4DL
04/03/09	Vinyl acetate	60.2%	J/UJ	7DL, 8DL

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	1,1,2-Trichloroethane	Ok/126%/Ok	None - Sample ND
	1,2-Dichlorobenzene	Ok/122%/Ok	J
	1,2-Dichloropropane	Ok/126%/Ok	None - Sample ND
	Benzene	Ok/124%/Ok	None - Sample ND
	Bromodichloromethane	Ok/126%/Ok	None - Sample ND
	Bromomethane	Ok/Ok/35	None for RPD alone
	Cyclohexane	Ok/122%/Ok	None - Sample ND
	Dibromomethane	Ok/126%/Ok	None - Sample ND
	Freon 113	150%/150%/Ok	J
	Methylcyclohexane	132%/132%/Ok	None - Sample ND
	Toluene	Ok/124%/Ok	None - Sample ND
	Trichloroethene	Ok/126%/Ok	J
	Vinyl acetate	Ok/Ok/30	None for RPD alone
	Tert-butyl methyl ether	Ok/126%/Ok	None - Sample ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB20-0309	None - ND	-	-	-	-
OU1-TB21-0309	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW17-0309DL ug/L	OU1-52GW17P-0309DL ug/L	RPD	Qualifier
Acetone	15	50 U	NC	None
Benzene	56	54	4%	None
Cyclohexane	44	43	2%	None
Methylene chloride	23	22	4%	None
Naphthalene	24	27	12%	None
Trichloroethene	360	340	6%	None
cis-1,2-Dichloroethene	140	130	7%	None

Compound	OU1-52GW19-0309DL ug/L	OU1-52GW19P-0309DL ug/L	RPD	Qualifier
Methylene chloride	110	110	0%	None
Trichloroethene	260	260	0%	None
cis-1,2-Dichloroethene	610	590	3%	None
trans-1,2-Dichloroethene	86	81	6%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-001-1/9
Sample Volume :	5	Lab File ID :	A62823.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	20	J MSH
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-001-1/9
Sample Volume :	5	Lab File ID :	A62823.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	35		J MSH
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	2.2		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	24		J MSH
75-69-4	Trichlorofluoromethane	1.0	U	

LLW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-001-1/9
Sample Volume :	5	Lab File ID :	A62823.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	2.3	
156-59-2	cis-1,2-Dichloroethene	35	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	4.0	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-031-1/3
Sample Volume :	.5	Lab File ID :	A62843.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	15	J
71-43-2	Benzene	56	
108-86-1	Bromobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-031-1/3
Sample Volume :	.5	Lab File ID :	A62843.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	44	
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	23	
91-20-3	Naphthalene	24	
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	360	
75-69-4	Trichlorofluoromethane	10	U

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-031-1/3
Sample Volume :	.5	Lab File ID :	A62843.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	140	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW17P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-034-1/3
Sample Volume :	.5	Lab File ID :	A62844.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	54	
108-86-1	Bromobenzene	10	U

KCW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW17P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-034-1/3
Sample Volume :	.5	Lab File ID :	A62844.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	43	
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	22	
91-20-3	Naphthalene	27	
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	340	
75-69-4	Trichlorofluoromethane	10	U

LW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW17P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-034-1/3
Sample Volume :	.5	Lab File ID :	A62844.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CH
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	130	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-037-1/3
Sample Volume :	5	Lab File ID :	A62828.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	15	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	77	
108-86-1	Bromobenzene	1.0	U

lw
5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-037-1/3
Sample Volume :	5	Lab File ID :	A62828.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	14	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	430 ~~590~~	E RDL
75-69-4	Trichlorofluoromethane	1.0	U

lw 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-037-1/3
Sample Volume :	5	Lab File ID :	A62828.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ CCH
75-01-4	Vinyl Chloride	400 ~~490~~	~~E~~	R DL
156-59-2	cis-1,2-Dichloroethene	4200 ~~6000~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	U	
156-60-5	trans-1,2-dichloroethene	10		
10061-02-6	trans-1,3-dichloropropene	1.0	U	

4DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-037-1/3
Sample Volume :	.05	Lab File ID :	A62845.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	100	U
71-55-6	1,1,1-Trichloroethane	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
75-34-3	1,1-Dichloroethane	100	U
75-35-4	1,1-Dichloroethene	100	U
563-58-6	1,1-Dichloropropene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
96-18-4	1,2,3-Trichloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
95-63-6	1,2,4-Trimethylbenzene	100	U
96-12-8	1,2-Dibromo-3-Chloropropane	200	U
95-50-1	1,2-Dichlorobenzene	100	U
107-06-2	1,2-Dichloroethane	100	U
78-87-5	1,2-Dichloropropane	100	U
108-67-8	1,3,5-trimethylbenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
142-28-9	1,3-Dichloropropane	100	U
106-46-7	1,4-Dichlorobenzene	100	U
594-20-7	2,2-Dichloropropane	100	U
78-93-3	2-Butanone	500	U
95-49-8	2-Chlorotoluene	100	U
591-78-6	2-Hexanone	500	U
106-43-4	4-Chlorotoluene	100	U
99-87-6	4-Isopropyltoluene	100	U
108-10-1	4-Methyl-2-Pentanone	500	U
67-64-1	Acetone	500	U
71-43-2	Benzene	100	U
108-86-1	Bromobenzene	100	U

DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-037-1/3
Sample Volume :	.05	Lab File ID :	A62845.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	100	U
75-27-4	Bromodichloromethane	100	U
75-25-2	Bromoform	100	U
74-83-9	Bromomethane	100	U
75-15-0	Carbon Disulfide	100	U
56-23-5	Carbon Tetrachloride	100	U
108-90-7	Chlorobenzene	100	U
75-00-3	Chloroethane	100	U
67-66-3	Chloroform	100	U
74-87-3	Chloromethane	100	U
110-82-7	Cyclohexane	100	U
124-48-1	Dibromochloromethane	100	U
74-95-3	Dibromomethane	100	U
75-71-8	Dichlorodifluoromethane	100	U
100-41-4	Ethylbenzene	100	U
106-93-4	Ethylene DiBromide	100	U
76-13-1	Freon 113	100	U
87-68-3	Hexachlorobutadiene	100	U
98-82-8	Isopropylbenzene	100	U
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-09-2	Methylene Chloride	100	U
91-20-3	Naphthalene	100	U
135-98-8	Sec-Butylbenzene	100	U
100-42-5	Styrene	100	U
127-18-4	Tetrachloroethylene	100	U
108-88-3	Toluene	100	U
79-01-6	Trichloroethene	430	
75-69-4	Trichlorofluoromethane	100	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-037-1/3
Sample Volume :	.05	Lab File ID :	A62845.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	100	~~U~~
75-01-4	Vinyl Chloride	400	
156-59-2	cis-1,2-Dichloroethene	4200	
10061-01-5	cis-1,3-Dichloropropene	100	U
136777-61-2	m,p-Xylene	100	U
104-51-8	n-Butylbenzene	100	U
103-65-1	n-Propylbenzene	100	U
95-47-6	o-Xylene	100	U
98-06-6	tert-Butylbenzene	100	U
1634-04-4	tert-butyl methyl ether	100	U
156-60-5	trans-1,2-dichloroethene	100	U
10061-02-6	trans-1,3-dichloropropene	100	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-040-1/3
Sample Volume :	.1	Lab File ID :	A62829.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-040-1/3
Sample Volume :	.1	Lab File ID :	A62829.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	110	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	260	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-040-1/3
Sample Volume :	.1	Lab File ID :	A62829.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	610	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	86	
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW19P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-043-1/3
Sample Volume :	.1	Lab File ID :	A62830.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW19P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-043-1/3
Sample Volume :	.1	Lab File ID :	A62830.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	110	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	260	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW19P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-043-1/3
Sample Volume :	.1	Lab File ID :	A62830.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	590	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	81	
10061-02-6	trans-1,3-dichloropropene	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-046-1/3
Sample Volume :	5	Lab File ID :	A62831.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	4.1	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	33	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-046-1/3
Sample Volume :	5	Lab File ID :	A62831.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	5.6	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	17	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-046-1/3
Sample Volume :	5	Lab File ID :	A62831.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	37	
156-59-2	cis-1,2-Dichloroethene	970 ~~2900~~	~~E~~ RDL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.5	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-N2GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-046-1/3
Sample Volume :	.1	Lab File ID :	A62862.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7 DL

SAMPLE NO
OU1-N2GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-046-1/3
Sample Volume :	.1	Lab File ID :	A62862.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use orig. results

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	50	U
75-69-4	Trichlorofluoromethane	50	U

RL DL

RW 5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-N2GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-046-1/3
Sample Volume :	.1	Lab File ID :	A62862.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	970	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-024-1/2
Sample Volume :	5	Lab File ID :	A62832.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	110	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	19	
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	110	
541-73-1	1,3-Dichlorobenzene	7.8	
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	74	
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	20	
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	39	
108-86-1	Bromobenzene	1.0	U

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5/10/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-024-1/2
Sample Volume :	5	Lab File ID :	A62832.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	490 ~~950~~	~~E~~	R DL
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	21		
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	200 J ~~200~~	~~E~~	LR
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	80		
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	300 ~~540~~	~~E~~	R DL
135-98-8	Sec-Butylbenzene	27		
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	3.8		
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-024-1/2
Sample Volume :	5	Lab File ID :	A62832.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	45	
156-59-2	cis-1,2-Dichloroethene	5.6	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	19	
104-51-8	n-Butylbenzene	16	
103-65-1	n-Propylbenzene	120	
95-47-6	o-Xylene	20	
98-06-6	tert-Butylbenzene	9.1	
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.3	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-N2GW27-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-024-1/2
Sample Volume :	.25	Lab File ID :	A62863.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
75-34-3	1,1-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
563-58-6	1,1-Dichloropropene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
96-18-4	1,2,3-Trichloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
95-63-6	1,2,4-Trimethylbenzene	20	U
96-12-8	1,2-Dibromo-3-Chloropropane	40	U
95-50-1	1,2-Dichlorobenzene	20	U
107-06-2	1,2-Dichloroethane	20	U
78-87-5	1,2-Dichloropropane	20	U
108-67-8	1,3,5-trimethylbenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
142-28-9	1,3-Dichloropropane	20	U
106-46-7	1,4-Dichlorobenzene	20	U
594-20-7	2,2-Dichloropropane	20	U
78-93-3	2-Butanone	100	U
95-49-8	2-Chlorotoluene	20	U
591-78-6	2-Hexanone	100	U
106-43-4	4-Chlorotoluene	20	U
99-87-6	4-Isopropyltoluene	20	U
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	100	U
71-43-2	Benzene	20	U
108-86-1	Bromobenzene	20	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-N2GW27-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-024-1/2
Sample Volume :	.25	Lab File ID :	A62863.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	490	
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
124-48-1	Dibromochloromethane	20	U
74-95-3	Dibromomethane	20	U
75-71-8	Dichlorodifluoromethane	20	U
100-41-4	Ethylbenzene	20	U
106-93-4	Ethylene DiBromide	20	U
76-13-1	Freon 113	20	U
87-68-3	Hexachlorobutadiene	20	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl Acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene Chloride	20	U
91-20-3	Naphthalene	300	
135-98-8	Sec-Butylbenzene	20	U
100-42-5	Styrene	20	U
127-18-4	Tetrachloroethylene	20	U
108-88-3	Toluene	20	U
79-01-6	Trichloroethene	20	U
75-69-4	Trichlorofluoromethane	20	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-N2GW27-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-024-1/2
Sample Volume :	.25	Lab File ID :	A62863.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	20	~~U~~ UJ CH
75-01-4	Vinyl Chloride	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
136777-61-2	m,p-Xylene	20	U
104-51-8	n-Butylbenzene	20	U
103-65-1	n-Propylbenzene	20	U
95-47-6	o-Xylene	20	U
98-06-6	tert-Butylbenzene	20	U
1634-04-4	tert-butyl methyl ether	20	U
156-60-5	trans-1,2-dichloroethene	20	U
10061-02-6	trans-1,3-dichloropropene	20	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-009-049-1/3
Sample Volume :	5	Lab File ID :	A62833.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-009-049-1/3
Sample Volume :	5	Lab File ID :	A62833.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
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SAMPLE NO
OU1-N2GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-009-049-1/3
Sample Volume :	5	Lab File ID :	A62833.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-TB20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-010-087-1/3
Sample Volume :	5	Lab File ID :	A62834.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-TB20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-010-087-1/3
Sample Volume :	5	Lab File ID :	A62834.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-010-087-1/3
Sample Volume :	5	Lab File ID :	A62834.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-TB21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-011-090-1/3
Sample Volume :	5	Lab File ID :	A62835.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-011-090-1/3
Sample Volume :	5	Lab File ID :	A62835.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-TB21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-011-090-1/3
Sample Volume :	5	Lab File ID :	A62835.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903154

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW16-0309	903154-001	Water
1MS*	OU1-52GW16-0309MS	903154-001MS	Water
2	OU1-52GW17-0309	903154-002	Water
3	OU1-52GW17P-0309	903154-003	Water
4	OU1-52GW18-0309	903154-004	Water
5	OU1-52GW19-0309	903154-005	Water
6	OU1-52GW19P-0309	903154-006	Water
7	OU1-N2GW15-0309	903154-007	Water
8	OU1-N2GW27-0309	903154-008	Water
9	OU1-N2GW28-0309	903154-009	Water

** MS - Nitrate, Nitrite, Chloride, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1, 5, 6, 7

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-FB031009	None - ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Nitrite	114%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW17-0309DL mg/L	OU1-52GW17P-0309DL mg/L	RPD	Qualifier
TOC, Average	5.0	5.2	4%	None
Chloride	22	23	4%	None

Compound	OU1-52GW19-0309DL mg/L	OU1-52GW19P-0309DL mg/L	RPD	Qualifier
TOC, Average	2.1	2.5	17%	None

Compound Quantitation - No discrepancies were identified.

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SAMPLE NO
OU1-52GW16-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-001-022-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.4	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW17-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-002-080-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.8	
7440-44-0	Total Organic Carbon, Replicate 2	5.0	
7440-44-0	Total Organic Carbon, Replicate 3	5.0	
7440-44-0	Total Organic Carbon, Replicate 4	5.0	
7440-44-0	Total Organic Carbon, Average	5.0	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW17P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-003-081-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.3	
7440-44-0	Total Organic Carbon, Replicate 2	5.2	
7440-44-0	Total Organic Carbon, Replicate 3	5.1	
7440-44-0	Total Organic Carbon, Replicate 4	5.2	
7440-44-0	Total Organic Carbon, Average	5.2	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW18-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-004-082-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.5	
7440-44-0	Total Organic Carbon, Replicate 2	4.4	
7440-44-0	Total Organic Carbon, Replicate 3	4.3	
7440-44-0	Total Organic Carbon, Replicate 4	4.3	
7440-44-0	Total Organic Carbon, Average	4.4	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW19-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-005-083-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.2	
7440-44-0	Total Organic Carbon, Replicate 2	2.2	
7440-44-0	Total Organic Carbon, Replicate 3	2.0	
7440-44-0	Total Organic Carbon, Replicate 4	2.0	
7440-44-0	Total Organic Carbon, Average	2.1	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW19P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-006-084-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.7	
7440-44-0	Total Organic Carbon, Replicate 2	2.4	
7440-44-0	Total Organic Carbon, Replicate 3	2.5	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.5	

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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW15-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-007-085-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/3/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.9	
7440-44-0	Total Organic Carbon, Replicate 2	4.7	
7440-44-0	Total Organic Carbon, Replicate 3	4.7	
7440-44-0	Total Organic Carbon, Replicate 4	4.7	
7440-44-0	Total Organic Carbon, Average	4.8	

FORM I SW9060

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5/10/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW27-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-008-030-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	42	
7440-44-0	Total Organic Carbon, Replicate 2	41	
7440-44-0	Total Organic Carbon, Replicate 3	41	
7440-44-0	Total Organic Carbon, Replicate 4	41	
7440-44-0	Total Organic Carbon, Average	41	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW28-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903154
Case No.:		SDG NO.:	903154
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903154-009-086-1/2
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	10	
7440-44-0	Total Organic Carbon, Replicate 2	9.8	
7440-44-0	Total Organic Carbon, Replicate 3	9.8	
7440-44-0	Total Organic Carbon, Replicate 4	9.9	
7440-44-0	Total Organic Carbon, Average	9.9	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-010-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-052-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	22	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW17P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-053-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	23	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

FORM I E300

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-054-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	22	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-055-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW19P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-057-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-026-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	33	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-009-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	27	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-001-013-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-002-059-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW17P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-003-060-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-004-061-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-005-062-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW19P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-006-063-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N2GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-007-064-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-008-027-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903154
Case No. :		SDG NO :	903154
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903154-009-065-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/10/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903155

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW20-0309	903155-001	Water
1DL	OU1-52GW20-0309DL	903155-001DL	Water
2	OU1-52GW22-0309	903155-002	Water
2DL	OU1-52GW22-0309DL	903155-002DL	Water
3	OU1-52GW23-0309	903155-003	Water
3DL	OU1-52GW23-0309DL	903155-003DL	Water
4	OU1-52GW26-0309	903155-004	Water
4MS	OU1-52GW26-0309MS	903155-004MS	Water
4MSD	OU1-52GW26-0309MSD	903155-004MSD	Water
5	OU1-52GW26P-0309	903155-005	Water
5DL	OU1-52GW26P-0309DL	903155-005DL	Water
6	OU1-52GW76-0309	903155-006	Water
6DL	OU1-52GW76-0309DL	903155-006DL	Water
7	OU1-N2GW07-0309	903155-007	Water
7DL	OU1-N2GW07-0309DL	903155-007DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed outside of the 14 day holding time and all results were qualified estimated (J/UJ) unless already qualified due to blank contamination, MS/MSD or linear range deficiencies.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
4	Methane	0%/0%/Ok	J/R

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 5DL, 6DL, 7DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound	OU1-52GW26-0309 ug/L	OU1-52GW26P-0309 ug/L	RPD	Qualifier
Methane	33	49	39%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-042-1/2
Sample Volume :		Lab File ID :	M33175.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	61	~~E~~	J LR

lw 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW20-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-043-2/2
Sample Volume :	2	Lab File ID :	G262953.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ HT
74-82-8	Methane	80		UJ BL HT

RDL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-044-1/2
Sample Volume :		Lab File ID :	M33176.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	48	~~E~~	J LR

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW22-0309L

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-045-2/2
Sample Volume :	2	Lab File ID :	G262957.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ ↓
74-82-8	Methane	43		UJ HT

R DL

LW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-046-1/2
Sample Volume :		Lab File ID :	M33177.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	38	~~E~~	J LR

lw 5/11/09

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3DL

SAMPLE NO
OU1-52GW23-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-047-2/2
Sample Volume :	2	Lab File ID :	G262954.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	47	

UJ HT
↓ ↓
UJ HT

R DL

fcw 6/3/09

GPL Laboratories

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4

SAMPLE NO
OU1-52GW26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-004-048-1/2
Sample Volume :		Lab File ID :	M33178.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	33		J MSL

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GPL Laboratories

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5

SAMPLE NO
OU1-52GW26P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-050-1/2
Sample Volume :		Lab File ID :	M33179.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	49	~~E~~	J LR

GPL Laboratories

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5DL

SAMPLE NO
OU1-52GW26P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-051-2/2
Sample Volume :	2	Lab File ID :	G262959.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	↓ HT
74-82-8	Methane	36		UJ ~~BL~~ HT

R DL

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SAMPLE NO
OU1-52GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-052-1/2
Sample Volume :		Lab File ID :	M33180.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	1200	~~E~~	J LR

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6DL

SAMPLE NO
OU1-52GW76-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-053-2/2
Sample Volume :	.1	Lab File ID :	G262956.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	620	U	UJ HT
74-85-1	Ethene	580	U	↓ ↓
74-82-8	Methane	1900		UJ~~B~~L HT

R DL

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SAMPLE NO
OU1-N2GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-054-1/2
Sample Volume :		Lab File ID :	M33181.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	27		J HT
74-85-1	Ethene	5.2	J	J HT
74-82-8	Methane	6800	~~E~~	J LR

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7DL

SAMPLE NO
OU1-N2GW07-0309L

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-055-2/2
Sample Volume :	.01	Lab File ID :	G262958.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6200	↓	UJ HT
74-85-1	Ethene	5800	↓	UJ HT
74-82-8	Methane	5100		UJ BC HT

R DL

lw 6/3/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903155

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW20-0309	903155-001	Water
2	OU1-52GW22-0309	903155-002	Water
3	OU1-52GW23-0309	903155-003	Water
4	OU1-52GW26-0309	903155-004	Water
5	OU1-52GW26P-0309	903155-005	Water
6	OU1-52GW76-0309	903155-006	Water
7	OU1-N2GW07-0309	903155-007	Water
7DL	OU1-N2GW07-0309DL	903155-007DL	Water
8	OU1-TB22-0309	903155-008	Water
9	OU1-TB23-0309	903155-009	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/02/09	Vinyl acetate	60.4%	J/UJ	4-9
04/03/09	Acetone	29.8%	J	1

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	ND	-	-	-	-
OU1-FB-031009	ND	-	-	-	-
OU1-TB22-0309	ND	-	-	-	-
OU1-TB23-0309	ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound	OU1-EDGW26-0309 ug/L	OU1-52GW26P-0309 ug/L	RPD	Qualifier
1, 1-Dichloroethane	1.2	1.3	8%	None
Methylene chloride	2.2	2.3	4%	None
Trichloroethene	14	18	25%	None
cis-1, 2-Dichloroethene	10	12	18%	None
trans-1, 2-dichloroethene	1.6	1.8	12%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #7 exhibited high concentrations of trichloroethene and cis-1,2-dichloroethene and were flagged (E) by the laboratory. The sample was diluted and reanalyzed and the dilution results for both compounds should be used for reporting.

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-001-1/3
Sample Volume :	5	Lab File ID :	A62864.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.2	
75-35-4	1,1-Dichloroethene	1.1	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	1.9	~~U~~ J CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-001-1/3
Sample Volume :	5	Lab File ID :	A62864.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	36	
75-69-4	Trichlorofluoromethane	1.0	U

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-001-1/3
Sample Volume :	5	Lab File ID :	A62864.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	62	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	9.2	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-004-1/3
Sample Volume :	5	Lab File ID :	A62865.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	0.89	J
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-004-1/3
Sample Volume :	5	Lab File ID :	A62865.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.0	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	31	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-004-1/3
Sample Volume :	5	Lab File ID :	A62865.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	190	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	7.8	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-007-1/3
Sample Volume :	5	Lab File ID :	A62866.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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SAMPLE NO
OU1-52GW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-007-1/3
Sample Volume :	5	Lab File ID :	A62866.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.6	
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-52GW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-007-1/3
Sample Volume :	5	Lab File ID :	A62866.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-52GW26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-004-010-1/3
Sample Volume :	5	Lab File ID :	A62849.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.2	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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SAMPLE NO
OU1-52GW26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-004-010-1/3
Sample Volume :	5	Lab File ID :	A62849.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	14	
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-52GW26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-004-010-1/3
Sample Volume :	5	Lab File ID :	A62849.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	10	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.6	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-52GW26P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-013-1/3
Sample Volume :	5	Lab File ID :	A62850.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.3	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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SAMPLE NO
OU1-52GW26P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-013-1/3
Sample Volume :	5	Lab File ID :	A62850.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	18	
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-52GW26P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-013-1/3
Sample Volume :	5	Lab File ID :	A62850.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	12	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.8	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-016-1/3
Sample Volume :	5	Lab File ID :	A62851.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	11	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	1.8	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-016-1/3
Sample Volume :	5	Lab File ID :	A62851.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	2.1	
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	2.6	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	38	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-016-1/3
Sample Volume :	5	Lab File ID :	A62851.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	12	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
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SAMPLE NO
OU1-N2GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-019-1/3
Sample Volume :	5	Lab File ID :	A62852.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	2.6	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	0.85	J
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.2	
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	110	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N2GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-019-1/3
Sample Volume :	5	Lab File ID :	A62852.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	30	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	9.4	
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	13	
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	3.7	
135-98-8	Sec-Butylbenzene	4.7	
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	4.8	
79-01-6	Trichloroethene	130	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N2GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-019-1/3
Sample Volume :	5	Lab File ID :	A62852.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	260 ~~360~~	~~E~~
156-59-2	cis-1,2-Dichloroethene	310 ~~410~~	~~E~~
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	0.65	J
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	5.4	
95-47-6	o-Xylene	2.4	
98-06-6	tert-Butylbenzene	7.7	
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	0.92	J
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-N2GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-020-2/3
Sample Volume :	.5	Lab File ID :	A62867.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	89	
108-86-1	Bromobenzene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-020-2/3
Sample Volume :	.5	Lab File ID :	A62867.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	100	
75-69-4	Trichlorofluoromethane	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-N2GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-020-2/3
Sample Volume :	.5	Lab File ID :	A62867.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	U
75-01-4	Vinyl Chloride	260	
156-59-2	cis-1,2-Dichloroethene	310	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-008-022-1/3
Sample Volume :	5	Lab File ID :	A62853.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-008-022-1/3
Sample Volume :	5	Lab File ID :	A62853.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-008-022-1/3
Sample Volume :	5	Lab File ID :	A62853.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-009-025-1/3
Sample Volume :	5	Lab File ID :	A62854.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-009-025-1/3
Sample Volume :	5	Lab File ID :	A62854.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-009-025-1/3
Sample Volume :	5	Lab File ID :	A62854.D
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903155

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW20-0309	903155-001	Water
2	OU1-52GW22-0309	903155-002	Water
3	OU1-52GW23-0309	903155-003	Water
4	OU1-52GW26-0309	903155-004	Water
5	OU1-52GW26P-0309	903155-005	Water
6	OU1-52GW76-0309	903155-006	Water
6MS*	OU1-52GW76-0309MS	903155-006MS	Water
7	OU1-N2GW07-0309	903155-007	Water
7MS**	OU1-N2GW07-0309MS	903155-007MS	Water

** MS - TOC only* *** MS - Nitrate, Nitrite, Chloride only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB-031009	Chloride	3.9	19.5	U	1-6
OU1-FB-031009	None - ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
7	Nitrite	122%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW26-0309 mg/L	OU1-52GW26P-0309 mg/L	RPD	Qualifier
TOC, Average	1.4	1.4	0%	None

Compound Quantitation - No discrepancies were identified.

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW20-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-001-056-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.7	
7440-44-0	Total Organic Carbon, Replicate 2	2.4	
7440-44-0	Total Organic Carbon, Replicate 3	2.4	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.5	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW22-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-002-057-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.3	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW23-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-003-058-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	1.9	
7440-44-0	Total Organic Carbon, Replicate 3	1.9	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.9	

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GPL
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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW26-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-004-059-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.4	

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GPL
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ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW26P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-005-060-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.4	
7440-44-0	Total Organic Carbon, Replicate 3	1.4	
7440-44-0	Total Organic Carbon, Replicate 4	1.4	
7440-44-0	Total Organic Carbon, Average	1.4	

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW76-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-006-061-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.7	
7440-44-0	Total Organic Carbon, Replicate 2	6.8	
7440-44-0	Total Organic Carbon, Replicate 3	6.8	
7440-44-0	Total Organic Carbon, Replicate 4	6.8	
7440-44-0	Total Organic Carbon, Average	6.8	

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW07-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903155
Case No.:		SDG NO.:	903155
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903155-007-062-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/24/2009
% Moisture:	ID.	Date Analyzed:	4/4/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	11	
7440-44-0	Total Organic Carbon, Replicate 2	12	
7440-44-0	Total Organic Carbon, Replicate 3	12	
7440-44-0	Total Organic Carbon, Replicate 4	12	
7440-44-0	Total Organic Carbon, Average	12	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-028-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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JW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-029-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-030-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-004-031-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.0	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

LCW 6/3/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW26P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-032-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-033-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	17	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

6/30/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N2GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/24/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/24/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	21	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

RW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-001-035-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW22-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-002-036-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lew 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-003-037-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-004-038-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

Lw 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW26P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-005-039-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-006-040-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903155
Case No. :		SDG NO :	903155
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903155-007-041-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/24/2009
% Moisture: not dec		Date Analyzed	03/26/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903193

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW01-0309	903193-001	Water
1DL	OU1-52GW01-0309DL	903193-001DL	Water
2	OU1-52GW07-0309	903193-002	Water
2DL	OU1-52GW07-0309DL	903193-002DL	Water
3	OU1-52GW08-0309	903193-003	Water
3DL	OU1-52GW08-0309DL	903193-003DL	Water
4	OU1-52GW10-0309	903193-004	Water
4DL	OU1-52GW10-0309DL	903193-004DL	Water
4MS	OU1-52GW10-0309MS	903193-004MS	Water
4MSD	OU1-52GW10-0309MSD	903193-004MSD	Water
5	OU1-52GW11-0309	903193-005	Water
5DL	OU1-52GW11-0309DL	903193-005DL	Water
6	OU1-52GW21-0309	903193-006	Water
6DL	OU1-52GW21-0309DL	903193-006DL	Water
7	OU1-52GW21P-0309	903193-007	Water
7DL	OU1-52GW21P-0309DL	903193-007DL	Water
8	OU1-52GW30-0309	903193-008	Water
8DL	OU1-52GW30-0309DL	903193-008DL	Water
9	OU1-52GW31-0309	903193-009	Water
9DL	OU1-52GW31-0309DL	903193-009DL	Water
10	OU1-N2GW18-0309	903193-010	Water
10DL	OU1-N2GW18-0309DL	903193-010DL	Water
11	OU1-N2GW44-0309	903193-011	Water
11DL	OU1-N2GW44-0309DL	903193-011DL	Water
12	OU1-16GW21-0309	903193-012	Water
12DL	OU1-16GW21-0309DL	903193-012DL	Water
13	OU1-MW64-0309	903193-013	Water
13DL	OU1-MW64-0309DL	903193-013DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within 14 days for preserved water samples except for all dilution samples.

Sample	Date Sampled	Date Extracted	# of Days	Qualifier
All Dilution Samples	03/24/09	04/13 - 04/14	20-21	J/UJ

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
4	Methane	0%/0%/0	None - 4X rule

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	Methane	5.4	27	U	1DL, 2DL, 3DL, 4DL, 5DL, 6DL, 7DL, 8DL, 9DL, 10DL, 11DL, 12DL, 13DL
OU1-FB-031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound	OU1-52GW21-0309 ug/L	OU1-52GW21P-0309 ug/L	RPD	Qualifier
Methane	60	69	14%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-097-1/2
Sample Volume :		Lab File ID :	M33197.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	6100	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW01-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-098-2/2
Sample Volume :	.02	Lab File ID :	G263082.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Orig. NRC

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	3100	U	UJ HT
74-85-1	Ethene	2900	U	UJ ↓
74-82-8	Methane	1900	U	UJ~~BL~~ HT

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-075-1/2
Sample Volume :		Lab File ID :	M33198.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	100	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-52GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-076-2/2
Sample Volume :	1	Lab File ID :	G263052.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	93	

UJ HT
UJ
UJ BK HT

for DL

lw 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-077-1/2
Sample Volume :		Lab File ID :	M33199.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	460	~~E~~	J LR
74-85-1	Ethene	24		
74-82-8	Methane	3200	~~E~~	J LR

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-52GW08-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-078-2/2
Sample Volume :	.01	Lab File ID :	G263053.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6200	U	UJ HT
74-85-1	Ethene	5800	U	UJ +
74-82-8	Methane	5000		UJ BC HT

R DL

6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-079-1/2
Sample Volume :		Lab File ID :	M33200.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1300	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4 DL

SAMPLE NO
OU1-52GW10-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-080-2/2
Sample Volume :	.1	Lab File ID :	G263055.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	620	U	UJ HT
74-85-1	Ethene	580	U	UJ
74-82-8	Methane	350		UJ ~~BL~~ HT

R DL

6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-081-1/2
Sample Volume :		Lab File ID :	M33201.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	5800	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-52GW11-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-082-2/2
Sample Volume :	.02	Lab File ID :	G263083.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	3100	U	UJ HT
74-85-1	Ethene	2900	U	UJ HT
74-82-8	Methane	1800	U	UJ HT

R DL

6/9/09

GPL Laboratories

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ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-083-1/2
Sample Volume :		Lab File ID :	M33202.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	60	~~F~~ J LR

LW 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-52GW21-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-084-2/2
Sample Volume :	1	Lab File ID :	G263057.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	100	

LJ HT
↓ ↓
LJB HT

RDL

LW
6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW21P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-085-1/2
Sample Volume :		Lab File ID :	M33203.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	69	~~E~~

JLR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-52GW21P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-086-2/2
Sample Volume :	1	Lab File ID :	G263058.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	50	

UJ HT
UJ ~~BL~~ HT

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-087-1/2
Sample Volume :		Lab File ID :	M33204.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	49	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-52GW30-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-088-2/2
Sample Volume :	2	Lab File ID :	G263085.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ HT
74-82-8	Methane	19		UJ ~~B~~ HT

R DL

NW 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-099-1/2
Sample Volume :		Lab File ID :	M33205.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1600	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-52GW31-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-100-2/2
Sample Volume :	.1	Lab File ID :	G263060.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Wd original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	620	U	UJ HT
74-85-1	Ethene	580	U	UJ HT
74-82-8	Methane	570		UJBL HT

R DL

RW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-N2GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-089-1/2
Sample Volume :		Lab File ID :	M33207.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	4500	~~E~~ J LR

MW 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10DL

SAMPLE NO
OU1-N2GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-090-2/2
Sample Volume :	.01	Lab File ID :	G263061.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6200	U	UJ HT
74-85-1	Ethene	5800	U	UJ HT
74-82-8	Methane	8300		UJBC HT

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N2GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-091-1/2
Sample Volume :		Lab File ID :	M33208.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	62	~~E~~ JLR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-N2GW44-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-092-2/2
Sample Volume :	2	Lab File ID :	G263086.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ HT
74-82-8	Methane	18		UJ ~~BL~~ HT

R DL

6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-16GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-093-1/2
Sample Volume :		Lab File ID :	M33209.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2000	~~E~~

JLR

MW
5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12DL

SAMPLE NO
OU1-16GW21-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-094-2/2
Sample Volume :	.1	Lab File ID :	G263063.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	620	U	UJ HT
74-85-1	Ethene	580	U	UJ HT
74-82-8	Methane	390		UJ~~BL~~ HT

R DL

6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-MW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-095-1/2
Sample Volume :		Lab File ID :	M33210.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	76	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-MW64-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-096-2/2
Sample Volume :	1	Lab File ID :	G263064.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	39	

UJ HT
UJ HT
UJ ~~BL~~ HT

R DL

6/4/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903193

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW01-0309	903193-001	Water
1DL	OU1-52GW01-0309DL	903193-001DL	Water
2	OU1-52GW07-0309	903193-002	Water
3	OU1-52GW08-0309	903193-003	Water
4	OU1-52GW10-0309	903193-004	Water
5	OU1-52GW11-0309	903193-005	Water
6	OU1-52GW21-0309	903193-006	Water
7	OU1-52GW21P-0309	903193-007	Water
8	OU1-52GW30-0309	903193-008	Water
9	OU1-52GW31-0309	903193-009	Water
10	OU1-N2GW18-0309	903193-010	Water
11	OU1-N2GW44-0309	903193-011	Water
12	OU1-16GW21-0309	903193-012	Water
13	OU1-MW64-0309	903193-013	Water
14	OU1-TB24-0309	903193-014	Water
15	OU1-TB25-0309	903193-015	Water
16	OU1-TB26-0309	903193-016	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/05/09	Vinyl acetate	62.2%	J/UJ	1, 3, 8, 9, 12-14
04/06/09	Vinyl acetate	62.7%	J/UJ	1DL, 2, 4-7, 10, 11, 15, 16

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109059	Vinyl acetate	38%	None	See CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-TB26-0309	None - ND	-	-	-	-
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB25-0309	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound	OU1-52GW21-0309 ug/L	OU1-52GW21P-0309 ug/L	RPD	Qualifier
Trichloroethene	110	110	0%	None
cis-1,2-Dichloroethene	380	390	3%	None
trans-1,2-dichloroethene	32	33	3%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #1 exhibited a high concentration of trichloroethene and was flagged (E) by the laboratory. The sample was diluted and reanalyzed at 10X and the dilution result should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-001-1/3
Sample Volume :	5	Lab File ID :	A62910.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.7	
75-35-4	1,1-Dichloroethene	1.3	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-001-1/3
Sample Volume :	5	Lab File ID :	A62910.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	200 ~~320~~	~~E~~ R DL
75-69-4	Trichlorofluoromethane	1.0	U

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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-001-1/3
Sample Volume :	5	Lab File ID :	A62910.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	45	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	11	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-52GW01-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-002-2/3
Sample Volume :	.5	Lab File ID :	A62933.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW01-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-002-2/3
Sample Volume :	.5	Lab File ID :	A62933.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	200	
75-69-4	Trichlorofluoromethane	10	U

DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-52GW01-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-002-2/3
Sample Volume :	.5	Lab File ID :	A62933.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	35	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

DL

R

LW 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-007-1/3
Sample Volume :	.5	Lab File ID :	A62934.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-007-1/3
Sample Volume :	.5	Lab File ID :	A62934.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	370	
75-69-4	Trichlorofluoromethane	10	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-007-1/3
Sample Volume :	.5	Lab File ID :	A62934.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJCCH
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	77	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	11	
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

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SAMPLE NO
OU1-52GW08-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-010-1/3
Sample Volume :	.1	Lab File ID :	A62912.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	66	
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

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3

SAMPLE NO
OU1-52GW08-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-010-1/3
Sample Volume :	.1	Lab File ID :	A62912.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	2000	
75-69-4	Trichlorofluoromethane	50	U

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SAMPLE NO
OU1-52GW08-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-010-1/3
Sample Volume :	.1	Lab File ID :	A62912.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~
75-01-4	Vinyl Chloride	110	
156-59-2	cis-1,2-Dichloroethene	1100	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-013-1/3
Sample Volume :	5	Lab File ID :	A62931.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-013-1/3
Sample Volume :	5	Lab File ID :	A62931.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	5.5	
75-69-4	Trichlorofluoromethane	1.0	U

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-013-1/3
Sample Volume :	5	Lab File ID :	A62931.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.1	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-52GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-016-1/3
Sample Volume :	5	Lab File ID :	A62932.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-016-1/3
Sample Volume :	5	Lab File ID :	A62932.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	30	
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-52GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-016-1/3
Sample Volume :	5	Lab File ID :	A62932.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	18	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW21-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-019-1/3
Sample Volume :	.5	Lab File ID :	A62935.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

hw 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-019-1/3
Sample Volume :	.5	Lab File ID :	A62935.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	110	
75-69-4	Trichlorofluoromethane	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-019-1/3
Sample Volume :	.5	Lab File ID :	A62935.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	380	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	32	
10061-02-6	trans-1,3-dichloropropene	10	U

UJ CCH

LW 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-022-1/3
Sample Volume :	.5	Lab File ID :	A62936.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-022-1/3
Sample Volume :	.5	Lab File ID :	A62936.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	110	
75-69-4	Trichlorofluoromethane	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-022-1/3
Sample Volume :	.5	Lab File ID :	A62936.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CH
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	390	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	33	
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-025-1/3
Sample Volume :	5	Lab File ID :	A62917.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	1.5	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-025-1/3
Sample Volume :	5	Lab File ID :	A62917.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.7	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	12	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-025-1/3
Sample Volume :	5	Lab File ID :	A62917.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	3.4	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW31-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-046-1/3
Sample Volume :	.1	Lab File ID :	A62918.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW31-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-046-1/3
Sample Volume :	.1	Lab File ID :	A62918.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	110	
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	820	
75-69-4	Trichlorofluoromethane	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW31-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-046-1/3
Sample Volume :	.1	Lab File ID :	A62918.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	410	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-N2GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-028-1/3
Sample Volume :	.25	Lab File ID :	A62937.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
75-34-3	1,1-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
563-58-6	1,1-Dichloropropene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
96-18-4	1,2,3-Trichloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
95-63-6	1,2,4-Trimethylbenzene	2000	
96-12-8	1,2-Dibromo-3-Chloropropane	40	U
95-50-1	1,2-Dichlorobenzene	20	U
107-06-2	1,2-Dichloroethane	20	U
78-87-5	1,2-Dichloropropane	20	U
108-67-8	1,3,5-trimethylbenzene	780	
541-73-1	1,3-Dichlorobenzene	20	U
142-28-9	1,3-Dichloropropane	20	U
106-46-7	1,4-Dichlorobenzene	20	U
594-20-7	2,2-Dichloropropane	20	U
78-93-3	2-Butanone	100	U
95-49-8	2-Chlorotoluene	20	U
591-78-6	2-Hexanone	100	U
106-43-4	4-Chlorotoluene	20	U
99-87-6	4-Isopropyltoluene	85	
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	100	U
71-43-2	Benzene	26	
108-86-1	Bromobenzene	20	U

KW 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-028-1/3
Sample Volume :	.25	Lab File ID :	A62937.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
124-48-1	Dibromochloromethane	20	U
74-95-3	Dibromomethane	20	U
75-71-8	Dichlorodifluoromethane	20	U
100-41-4	Ethylbenzene	130	
106-93-4	Ethylene DiBromide	20	U
76-13-1	Freon 113	20	U
87-68-3	Hexachlorobutadiene	20	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl Acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene Chloride	20	U
91-20-3	Naphthalene	680	
135-98-8	Sec-Butylbenzene	61	
100-42-5	Styrene	20	U
127-18-4	Tetrachloroethylene	20	U
108-88-3	Toluene	20	U
79-01-6	Trichloroethene	20	U
75-69-4	Trichlorofluoromethane	20	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-N2GW18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-028-1/3
Sample Volume :	.25	Lab File ID :	A62937.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	20	~~U~~
75-01-4	Vinyl Chloride	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
136777-61-2	m,p-Xylene	560	
104-51-8	n-Butylbenzene	46	
103-65-1	n-Propylbenzene	180	
95-47-6	o-Xylene	190	
98-06-6	tert-Butylbenzene	31	
1634-04-4	tert-butyl methyl ether	20	U
156-60-5	trans-1,2-dichloroethene	20	U
10061-02-6	trans-1,3-dichloropropene	20	U

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GPL Laboratories

GPL
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SAMPLE NO
OU1-N2GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-031-1/3
Sample Volume :	5	Lab File ID :	A62930.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	3.4	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-031-1/3
Sample Volume :	5	Lab File ID :	A62930.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	96	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N2GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-031-1/3
Sample Volume :	5	Lab File ID :	A62930.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.9	
156-59-2	cis-1,2-Dichloroethene	99	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	3.3	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-034-1/3
Sample Volume :	5	Lab File ID :	A62921.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-034-1/3
Sample Volume :	5	Lab File ID :	A62921.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-16GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-034-1/3
Sample Volume :	5	Lab File ID :	A62921.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-MW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-037-1/3
Sample Volume :	5	Lab File ID :	A62922.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.1	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-MW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-037-1/3
Sample Volume :	5	Lab File ID :	A62922.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	26	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-MW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-037-1/3
Sample Volume :	5	Lab File ID :	A62922.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	14	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.1	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-TB24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-014-040-1/3
Sample Volume :	5	Lab File ID :	A62923.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-TB24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-014-040-1/3
Sample Volume :	5	Lab File ID :	A62923.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-TB24-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-014-040-1/3
Sample Volume :	5	Lab File ID :	A62923.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/05/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

UJ CCH

LW 5/20/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-TB25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-015-043-1/3
Sample Volume :	5	Lab File ID :	A62928.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-TB25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-015-043-1/3
Sample Volume :	5	Lab File ID :	A62928.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-TB25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-015-043-1/3
Sample Volume :	5	Lab File ID :	A62928.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
0U1-TB26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-016-004-1/3
Sample Volume :	5	Lab File ID :	A62929.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

16

SAMPLE NO
0U1-TB26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-016-004-1/3
Sample Volume :	5	Lab File ID :	A62929.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
0U1-TB26-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-016-004-1/3
Sample Volume :	5	Lab File ID :	A62929.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

µW 5/20/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903193

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-52GW01-0309	903193-001	Water
2	OU1-52GW07-0309	903193-002	Water
2MS**	OU1-52GW07-0309MS	903193-002MS	Water
3	OU1-52GW08-0309	903193-003	Water
4	OU1-52GW10-0309	903193-004	Water
4MS**	OU1-52GW10-0309MS	903193-004MS	Water
5	OU1-52GW11-0309	903193-005	Water
6	OU1-52GW21-0309	903193-006	Water
7	OU1-52GW21P-0309	903193-007	Water
7MS*	OU1-52GW21P-0309MS	903193-007MS	Water
8	OU1-52GW30-0309	903193-008	Water
8MS*	OU1-52GW30-0309	903193-008	Water
9	OU1-52GW30-0309	903193-009	Water
9MS**	OU1-52GW30-0309MS	903193-009MS	Water
10	OU1-N2GW18-0309	903193-010	Water
11	OU1-N2GW44-0309	903193-011	Water
12	OU1-16GW21-0309	903193-012	Water
13	OU1-MW64-0309	903193-013	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB-031009	Chloride	3.9	19.5	U	1, 6-13
OUI-FB-031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS/%R/RPD	Qualifier	Affected Samples
7	Nitrite as N	118%	None	All ND
8	Nitrite as N	113%	None	All ND

LCS - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS (03/26/09)	Nitrite as N	131%	None	All ND

Field Duplicates - Field duplicate samples were not included in this data package.

Compound	OU1-52GW21P-0309 mg/L	OU1-52GW21-0309 mg/L	RPD	Qualifier
TOC, Average	2.7	2.9	7%	None

Compound Quantitation - No discrepancies were identified.

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW01-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-001-112-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/6/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.0	
7440-44-0	Total Organic Carbon, Replicate 2	4.0	
7440-44-0	Total Organic Carbon, Replicate 3	4.0	
7440-44-0	Total Organic Carbon, Replicate 4	3.9	
7440-44-0	Total Organic Carbon, Average	4.0	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW07-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-002-101-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/6/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.8	
7440-44-0	Total Organic Carbon, Replicate 2	4.9	
7440-44-0	Total Organic Carbon, Replicate 3	4.9	
7440-44-0	Total Organic Carbon, Replicate 4	5.0	
7440-44-0	Total Organic Carbon, Average	4.9	

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3

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW08-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-003-102-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/6/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.0	
7440-44-0	Total Organic Carbon, Replicate 2	5.9	
7440-44-0	Total Organic Carbon, Replicate 3	5.8	
7440-44-0	Total Organic Carbon, Replicate 4	5.8	
7440-44-0	Total Organic Carbon, Average	5.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW10-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-004-103-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/7/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	16.4	
7440-44-0	Total Organic Carbon, Replicate 2	16.5	
7440-44-0	Total Organic Carbon, Replicate 3	16.5	
7440-44-0	Total Organic Carbon, Replicate 4	16.5	
7440-44-0	Total Organic Carbon, Average	16.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW11-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-005-104-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/7/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	10.9	
7440-44-0	Total Organic Carbon, Replicate 2	10.7	
7440-44-0	Total Organic Carbon, Replicate 3	10.7	
7440-44-0	Total Organic Carbon, Replicate 4	10.7	
7440-44-0	Total Organic Carbon, Average	10.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW21-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-006-105-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/7/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.0	
7440-44-0	Total Organic Carbon, Replicate 2	2.7	
7440-44-0	Total Organic Carbon, Replicate 3	2.5	
7440-44-0	Total Organic Carbon, Replicate 4	2.4	
7440-44-0	Total Organic Carbon, Average	2.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW21P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-007-106-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/7/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.2	
7440-44-0	Total Organic Carbon, Replicate 2	3.0	
7440-44-0	Total Organic Carbon, Replicate 3	2.8	
7440-44-0	Total Organic Carbon, Replicate 4	2.7	
7440-44-0	Total Organic Carbon, Average	2.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW30-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-008-107-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	0.97	U
7440-44-0	Total Organic Carbon, Replicate 2	0.97	U
7440-44-0	Total Organic Carbon, Replicate 3	0.99	U
7440-44-0	Total Organic Carbon, Replicate 4	0.98	U
7440-44-0	Total Organic Carbon, Average	0.98	U

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW30-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-009-113-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.1	
7440-44-0	Total Organic Carbon, Replicate 2	4.2	
7440-44-0	Total Organic Carbon, Replicate 3	4.2	
7440-44-0	Total Organic Carbon, Replicate 4	4.2	
7440-44-0	Total Organic Carbon, Average	4.2	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW18-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-010-108/1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	27.9	
7440-44-0	Total Organic Carbon, Replicate 2	28.6	
7440-44-0	Total Organic Carbon, Replicate 3	28.7	
7440-44-0	Total Organic Carbon, Replicate 4	28.5	
7440-44-0	Total Organic Carbon, Average	28.4	

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Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW44-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-011-109-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.7	
7440-44-0	Total Organic Carbon, Replicate 3	1.7	
7440-44-0	Total Organic Carbon, Replicate 4	1.7	
7440-44-0	Total Organic Carbon, Average	1.7	

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GPL
Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW21-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-012-110-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L .

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.7	
7440-44-0	Total Organic Carbon, Replicate 2	2.7	
7440-44-0	Total Organic Carbon, Replicate 3	2.7	
7440-44-0	Total Organic Carbon, Replicate 4	2.7	
7440-44-0	Total Organic Carbon, Average	2.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW64-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903193
Case No.:		SDG NO.:	903193
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903193-013-111-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	21.3	
7440-44-0	Total Organic Carbon, Replicate 2	21.0	
7440-44-0	Total Organic Carbon, Replicate 3	20.9	
7440-44-0	Total Organic Carbon, Replicate 4	21.0	
7440-44-0.	Total Organic Carbon, Average	21.0	

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GPL Laboratories

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FORM I
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-52GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-060-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	14	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-049-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	22	
14797-55-8	Nitrate	0.13	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-050-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	34	
14797-55-8	Nitrate	0.38	
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-051-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	21	
14797-55-8	Nitrate	0.56	
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-052-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	44	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-053-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.5	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-054-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW21P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-054-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/07/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-055-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-055-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/07/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.7	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-061-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	16	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/07/2009
Injection Volume :	µ L	Dilution Factor :	20
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	2.0	U
7727-37-9	Nitrite	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-057-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.1	
14797-55-8	Nitrate	0.15	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/26/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-MW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-059-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.0	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-001-073-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/20/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-52GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-002-062-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/21/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-52GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-003-063-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/20/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-004-064-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/20/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-005-065-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/20/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-52GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-006-066-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-52GW21P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-007-067-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/20/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-52GW30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-008-068-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-52GW31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-009-074-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-N2GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-010-069-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-N2GW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-011-070-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-16GW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-012-071-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-MW64-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903193
Case No. :		SDG NO :	903193
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903193-013-072-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/20/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903194

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-51EX13-0309	903194-001	Water
1DL	OU1-51EX13-0309DL	903194-001DL	Water
2	OU1-51EX16-0309	903194-002	Water
2DL	OU1-51EX16-0309DL	903194-002DL	Water
3	OU1-51EX17-0309	903194-003	Water
3DL	OU1-51EX17-0309DL	903194-003DL	Water
4	OU1-42GW08-0309	903194-004	Water
4MS	OU1-42GW08-0309MS	903194-004MS	Water
4MSD	OU1-42GW08-0309MSD	903194-004MSD	Water
5	OU1-N2GW75-0309	903194-005	Water
5DL	OU1-N2GW75-0309DL	903194-005DL	Water
6	OU1-MW01-0309	903194-006	Water
6DL	OU1-MW01-0309DL	903194-006DL	Water
7	OU1-MW018-0309	903194-007	Water
7DL	OU1-MW018-0309DL	903194-007DL	Water
8	OU1-42GW05-0309	903194-008	Water
8DL	OU1-42GW05-0309DL	903194-008DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
4	Methane	168%/174%/Ok	None - Already qualified due to EB contamination

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	Methane	5.4	27.0	U	1DL, 2DL, 4, 5DL, 7DL, 8DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

EDS Sample ID 1 had incorrect results reported on the Form I for ethane and methane. The results were reversed and the reviewer corrected the Form I.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX13-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-047-1/2
Sample Volume :		Lab File ID :	M33213.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	~~Ethane~~ methane	2900	~~E~~ J LR
74-85-1	Ethene	5.8	U
74-82-8	~~Methane~~ ethane	3.3	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-51EX13-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-048-2/2
Sample Volume :	.05	Lab File ID :	G263006.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	200
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1200	U
74-85-1	Ethene	1200	U
74-82-8	Methane	5000	

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6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-51EX16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-049-1/2
Sample Volume :		Lab File ID :	M33214.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	34	
74-85-1	Ethene	5.8	U
74-82-8	Methane	660	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-51EX16-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-050-2/2
Sample Volume :	.01	Lab File ID :	G262999.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	900	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-51EX17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-051-1/2
Sample Volume :		Lab File ID :	M33215.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2900 ~~1600~~	~~E~~ R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-51EX17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-052-2/2
Sample Volume :	.1	Lab File ID :	G263008.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	586	U
74-82-8	Methane	2900	

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LW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-075-1/5
Sample Volume :		Lab File ID :	M33218.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	3.3	U
74-82-8	Methane	9.2	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-039-1/2
Sample Volume :	10	Lab File ID :	G262930.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	990	~~E~~ J LR

Cw 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-N2GW75-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-040-2/2
Sample Volume :	.02	Lab File ID :	G263009.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use 8mg/Na

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	12000	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-041-1/2
Sample Volume :	10	Lab File ID :	G262931.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	8300 ~~4200~~	~~E~~ R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-MW01-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-042-2/2
Sample Volume :	.04	Lab File ID :	G263002.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	250
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1600	U
74-85-1	Ethene	~~1500~~	U
74-82-8	Methane	8300	

R DL

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-MW018-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-044-2/2
Sample Volume :	.04	Lab File ID :	G263003.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	250
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1600	U
74-85-1	Ethene	1500	U
74-82-8	Methane	6000	

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GPL Laboratories

GPL
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SAMPLE NO
OU1-MW018-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-043-1/2
Sample Volume :	10	Lab File ID :	G262932.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2600	~~E~~ J LR

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GPL Laboratories

GPL
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8

SAMPLE NO
OU1-42GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-045-1/2
Sample Volume :	10	Lab File ID :	G262933.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	
74-85-1	Ethene	230	~~E~~	J LR
74-82-8	Methane	6000	~~E~~	J LR

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GPL Laboratories

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8DL

SAMPLE NO
OU1-42GW05-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-046-2/2
Sample Volume :	.02	Lab File ID :	G263004.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	8600	B BL

R DL

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903194

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-51EX13-0309	903194-001	Water
1DL	OU1-51EX13-0309DL	903194-001DL	Water
2	OU1-51EX16-0309	903194-002	Water
2DL	OU1-51EX16-0309DL	903194-002DL	Water
3	OU1-51EX17-0309	903194-003	Water
3DL	OU1-51EX17-0309DL	903194-003DL	Water
4	OU1-42GW08-0309	903194-004	Water
4MS	OU1-42GW08-0309MS	903194-004MS	Water
4MSD	OU1-42GW08-0309MSD	903194-004MSD	Water
5	OU1-N2GW75-0309	903194-005	Water
5DL	OU1-N2GW75-0309DL	903194-005DL	Water
6	OU1-MW01-0309	903194-006	Water
7	OU1-MW018-0309	903194-007	Water
8	OU1-42GW05-0309	903194-008	Water
9	OU1-TB27-0309	903194-009	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/06/09	Vinyl acetate	62.7%	J/UJ	1-4, 5DL
04/07/09	Vinyl acetate	61.4%	J/UJ	1DL, 2DL, 3DL, 5-9

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
4	Methyl acetate	46%/40%/Ok	J/UJ
	Vinyl acetate	10%/10%/Ok	None - See CCAL.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BK5109126	Vinyl acetate	38%	None	See CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB-031009	None - ND	-	-	-	-
OU1-FB-031009	None - ND	-	-	-	-
OU1-TB27-0309	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The samples were diluted and reanalyzed and the dilution results for these compounds should be used for reporting.

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SAMPLE NO
OU1-51EX13-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-016-1/3
Sample Volume :	5	Lab File ID :	A62938.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	5.0	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	51	
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX13-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-016-1/3
Sample Volume :	5	Lab File ID :	A62938.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	8.6	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	180 ~~390~~	~~E~~ R DL
75-69-4	Trichlorofluoromethane	1.0	U

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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX13-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-016-1/3
Sample Volume :	5	Lab File ID :	A62938.D
Level :	Low .	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCM
75-01-4	Vinyl Chloride	77	
156-59-2	cis-1,2-Dichloroethene	980 ~~3300~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	18	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-51EX13-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-017-2/3
Sample Volume :	.1	Lab File ID :	A62956.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	50	U
75-35-4	1,1-Dichloroethene	50	U
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-51EX13-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-017-2/3
Sample Volume :	.1	Lab File ID :	A62956.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	50	U
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	180	
75-69-4	Trichlorofluoromethane	50	U

DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-51EX13-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-017-2/3
Sample Volume :	.1	Lab File ID :	A62956.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	980	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

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DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-51EX16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-019-1/3
Sample Volume :	5	Lab File ID :	A62939.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	2.5	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	3.6	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-51EX16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-019-1/3
Sample Volume :	5	Lab File ID :	A62939.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	3.1	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	52	
75-69-4	Trichlorofluoromethane	1.0	U

lw
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-51EX16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-019-1/3
Sample Volume :	5	Lab File ID :	A62939.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ CCH
75-01-4	Vinyl Chloride	650 ~~980~~	~~E~~	R DL
156-59-2	cis-1,2-Dichloroethene	430 ~~620~~	~~E~~	R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	U	
156-60-5	trans-1,2-dichloroethene	120		
10061-02-6	trans-1,3-dichloropropene	1.0	U	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

20L

SAMPLE NO
OU1-51EX16-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-020-2/3
Sample Volume :	.5	Lab File ID :	A62957.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

DL

5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-51EX16-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-020-2/3
Sample Volume :	.5	Lab File ID :	A62957.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	40	
75-69-4	Trichlorofluoromethane	10	U

2DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-51EX16-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-020-2/3
Sample Volume :	.5	Lab File ID :	A62957.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~
75-01-4	Vinyl Chloride	650	
156-59-2	cis-1,2-Dichloroethene	430	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	87	
10061-02-6	trans-1,3-dichloropropene	10	U

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DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-51EX17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-022-1/3
Sample Volume :	5	Lab File ID :	A62940.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	10	
75-35-4	1,1-Dichloroethene	2.5	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	2.6	J
71-43-2	Benzene	1.0	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-51EX17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-022-1/3
Sample Volume :	5	Lab File ID :	A62940.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	200	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-51EX17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-022-1/3
Sample Volume :	5	Lab File ID :	A62940.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	35	
156-59-2	cis-1,2-Dichloroethene	320 ~~460~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	28	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-51EX17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-023-2/3
Sample Volume :	.5	Lab File ID :	A62958.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	130	
75-69-4	Trichlorofluoromethane	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-51EX17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-023-2/3
Sample Volume :	.5	Lab File ID :	A62958.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	30	
156-59-2	cis-1,2-Dichloroethene	320	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	19	
10061-02-6	trans-1,3-dichloropropene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-060-1/9
Sample Volume :	5	Lab File ID :	A62941.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-51EX17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-023-2/3
Sample Volume :	.5	Lab File ID :	A62958.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use orig. NA

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	9.8	J
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-060-1/9
Sample Volume :	5	Lab File ID :	A62941.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	3.3	
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	~~U~~ UJ MSL
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.1	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	0.95	J
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-060-1/9
Sample Volume :	5	Lab File ID :	A62941.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-002-2/3
Sample Volume :	5	Lab File ID :	A62954.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	8.1	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	220 ~~350~~	~~E~~ R DL
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	190	
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	13	
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	4.3	
108-86-1	Bromobenzene	1.0	U

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-002-2/3
Sample Volume :	5	Lab File ID :	A62954.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	14	
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	24	
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	27	
135-98-8	Sec-Butylbenzene	16	
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.1	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	9.1	
75-69-4	Trichlorofluoromethane	1.0	U

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5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-002-2/3
Sample Volume :	5	Lab File ID :	A62954.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	8.5	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	37	
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	23	
95-47-6	o-Xylene	3.4	
98-06-6	tert-Butylbenzene	16	
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

US CCH

LW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-N2GW75-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-001-1/3
Sample Volume :	.25	Lab File ID :	A62944.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use orig. NAC

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
75-34-3	1,1-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
563-58-6	1,1-Dichloropropene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
96-18-4	1,2,3-Trichloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
95-63-6	1,2,4-Trimethylbenzene	220	
96-12-8	1,2-Dibromo-3-Chloropropane	40	U
95-50-1	1,2-Dichlorobenzene	20	U
107-06-2	1,2-Dichloroethane	20	U
78-87-5	1,2-Dichloropropane	20	U
108-67-8	1,3,5-trimethylbenzene	110	
541-73-1	1,3-Dichlorobenzene	20	U
142-28-9	1,3-Dichloropropane	20	U
106-46-7	1,4-Dichlorobenzene	20	U
594-20-7	2,2-Dichloropropane	20	U
78-93-3	2-Butanone	100	U
95-49-8	2-Chlorotoluene	20	U
591-78-6	2-Hexanone	100	U
106-43-4	4-Chlorotoluene	20	U
99-87-6	4-Isopropyltoluene	25	
108-10-1	4-Methyl-2-Pentanone	100	U
67-64-1	Acetone	100	U
71-43-2	Benzene	20	U
108-86-1	Bromobenzene	20	U

RL

lw
5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-N2GW75-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-001-1/3
Sample Volume :	.25	Lab File ID :	A62944.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
124-48-1	Dibromochloromethane	20	U
74-95-3	Dibromomethane	20	U
75-71-8	Dichlorodifluoromethane	20	U
100-41-4	Ethylbenzene	20	U
106-93-4	Ethylene DiBromide	20	U
76-13-1	Freon 113	20	U
87-68-3	Hexachlorobutadiene	20	U
98-82-8	Isopropylbenzene	22	
79-20-9	Methyl Acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene Chloride	20	U
91-20-3	Naphthalene	57	
135-98-8	Sec-Butylbenzene	24	
100-42-5	Styrene	20	U
127-18-4	Tetrachloroethylene	20	U
108-88-3	Toluene	20	U
79-01-6	Trichloroethene	20	U
75-69-4	Trichlorofluoromethane	20	U

DL

KW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-N2GW75-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-001-1/3
Sample Volume :	.25	Lab File ID :	A62944.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/06/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use orig NA

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	20	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
136777-61-2	m,p-Xylene	33	
104-51-8	n-Butylbenzene	20	U
103-65-1	n-Propylbenzene	26	
95-47-6	o-Xylene	20	U
98-06-6	tert-Butylbenzene	19	J
1634-04-4	tert-butyl methyl ether	20	U
156-60-5	trans-1,2-dichloroethene	20	U
10061-02-6	trans-1,3-dichloropropene	20	U

DL

JW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-MW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-004-1/3
Sample Volume :	5	Lab File ID :	A62955.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.6	
75-35-4	1,1-Dichloroethene	2.4	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.1	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	0.69	J
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	2.4	J
71-43-2	Benzene	2.2	
108-86-1	Bromobenzene	1.0	U

5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-004-1/3
Sample Volume :	5	Lab File ID :	A62955.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	4.6	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	19	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-004-1/3
Sample Volume :	5	Lab File ID :	A62955.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ nJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	27	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.6	
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW018-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-007-1/3
Sample Volume :	5	Lab File ID :	A62959.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.6	
75-35-4	1,1-Dichloroethene	2.6	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	2.0	
108-86-1	Bromobenzene	1.0	U

lew 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW018-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-007-1/3
Sample Volume :	5	Lab File ID :	A62959.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	4.7	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	19	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW018-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-007-1/3
Sample Volume :	5	Lab File ID :	A62959.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ ws cell
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	27	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.9	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-42GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-010-1/3
Sample Volume :	5	Lab File ID :	A62960.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	4.1	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	22	
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.2	
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	7.9	
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	3.0	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-42GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-010-1/3
Sample Volume :	5	Lab File ID :	A62960.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	130	
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	0.82	J
79-01-6	Trichloroethene	3.0	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-42GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-010-1/3
Sample Volume :	5	Lab File ID :	A62960.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	73	
156-59-2	cis-1,2-Dichloroethene	31	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-009-013-1/3
Sample Volume :	5	Lab File ID :	A62951.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-009-013-1/3
Sample Volume :	5	Lab File ID :	A62951.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB27-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-009-013-1/3
Sample Volume :	5	Lab File ID :	A62951.D
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	04/07/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

MW
5/11/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903194

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-51EX13-0309	903194-001	Water
2	OU1-51EX16-0309	903194-002	Water
3	OU1-51EX17-0309	903194-003	Water
4	OU1-42GW08-0309	903194-004	Water
4MS*	OU1-42GW08-0309MS	903194-004MS	Water
5	OU1-N2GW75-0309	903194-005	Water
6	OU1-MW01-0309	903194-006	Water
7	OU1-MW018-0309	903194-007	Water
8	OU1-42GW05-0309	903194-008	Water

** MS - Chloride, Nitrate, Nitrite, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB-031009	Chloride	3.9	19.5	U	1-7
OU1-FB-031009	None - ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
4	Nitrite	115%	None	All ND
	Nitrate	111%	J	2, 4

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - The TOC sample IDs for samples #5 & 8 were incorrect on the Form Is and have been corrected by the reviewer.

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX13-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-001-057-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.7	
7440-44-0	Total Organic Carbon, Replicate 2	3.8	
7440-44-0	Total Organic Carbon, Replicate 3	3.9	
7440-44-0	Total Organic Carbon, Replicate 4	3.9	
7440-44-0	Total Organic Carbon, Average	3.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX16-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-002-058-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	9.2	
7440-44-0	Total Organic Carbon, Replicate 2	9.2	
7440-44-0	Total Organic Carbon, Replicate 3	9.0	
7440-44-0	Total Organic Carbon, Replicate 4	8.8	
7440-44-0	Total Organic Carbon, Average	9.1	

WW
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX17-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-003-059-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.8	
7440-44-0	Total Organic Carbon, Replicate 2	5.7	
7440-44-0	Total Organic Carbon, Replicate 3	5.6	
7440-44-0	Total Organic Carbon, Replicate 4	5.7	
7440-44-0	Total Organic Carbon, Average	5.7	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42GW08-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-004-080-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.7	
7440-44-0	Total Organic Carbon, Replicate 3	1.7	
7440-44-0	Total Organic Carbon, Replicate 4	1.7	
7440-44-0	Total Organic Carbon, Average	1.7	

LWS
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-~~42GW08~~-0309
N26W75

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-005-053-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	28.5	
7440-44-0	Total Organic Carbon, Replicate 2	29.1	
7440-44-0	Total Organic Carbon, Replicate 3	29.2	
7440-44-0	Total Organic Carbon, Replicate 4	28.8	
7440-44-0	Total Organic Carbon, Average	28.9	

FORM I SW9060

fcw
5/4/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW01-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-006-054-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.4	
7440-44-0	Total Organic Carbon, Replicate 2	4.4	
7440-44-0	Total Organic Carbon, Replicate 3	4.4	
7440-44-0	Total Organic Carbon, Replicate 4	4.5	
7440-44-0	Total Organic Carbon, Average	4.4	

fw
5/11/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW018-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-007-055-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.4	
7440-44-0	Total Organic Carbon, Replicate 2	4.3	
7440-44-0	Total Organic Carbon, Replicate 3	4.2	
7440-44-0	Total Organic Carbon, Replicate 4	4.2	
7440-44-0	Total Organic Carbon, Average	4.3	

fwd
5/11/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-2GW05-0309
142

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903194
Case No.:		SDG NO.:	903194
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903194-008-056-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/26/2009
% Moisture:	ID.	Date Analyzed:	4/8/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	8.6	
7440-44-0	Total Organic Carbon, Replicate 2	8.8	
7440-44-0	Total Organic Carbon, Replicate 3	8.8	
7440-44-0	Total Organic Carbon, Replicate 4	8.8	
7440-44-0	Total Organic Carbon, Average	8.8	

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5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX13-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-029-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	14	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-51EX16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-030-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.20	
7727-37-9	Nitrite	0.10	U

u BL
J MSH

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-51EX17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-031-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	17	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-069-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.46	J MSH
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

H

SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-069-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/07/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.7	

u BL

FORM I E300

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-025-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-026-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	16	U BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW018-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-027-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	16	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-42GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-028-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/26/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/27/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	20	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX13-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-001-036-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-51EX16-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-002-037-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-51EX17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-003-038-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-004-072-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-N2GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-005-032-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW01-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO.:	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-006-033-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-MW018-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-007-034-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-42GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903194
Case No. :		SDG NO :	903194
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903194-008-035-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/26/2009
% Moisture: not dec		Date Analyzed	03/27/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/4/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903218

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW20-0309	903218-001	Water
1MS	OU1-MW20-0309MS	903218-001MS	Water
1MSD	OU1-MW20-0309MSD	903218-001MSD	Water
2	OU1-MW21-0309	903218-002	Water
2DL	OU1-MW21-0309DL	903218-002DL	Water
3	OU1-MW23-0309	903218-003	Water
3DL	OU1-MW23-0309DL	903218-003DL	Water
4	OU1-MW23P-0309	903218-004	Water
4DL	OU1-MW23P-0309DL	903218-004DL	Water
5	OU1-47GW05-0309	903218-005	Water
5DL	OU1-47GW05-0309DL	903218-005DL	Water
6	OU1-47GW06-0309	903218-006	Water
6DL	OU1-47GW06-0309DL	903218-006DL	Water
7	OU1-47GW07-0309DL	903218-007	Water
7DL	OU1-47GW07-0309DLDL	903218-007DL	Water
8	OU1-47GW08-0309	903218-008	Water
8DL	OU1-47GW08-0309DL	903218-008DL	Water
9	OU1-47GW11-0309	903218-009	Water
9DL	OU1-47GW11-0309DL	903218-009DL	Water
10	OU1-47GW12-0309	903218-010	Water
10DL	OU1-47GW12-0309DL	903218-010DL	Water
11	OU1-47GW17-0309	903218-011	Water
11DL	OU1-47GW17-0309DL	903218-011DL	Water
12	OU1-47GW18-0309	903218-012	Water
13	OU1-47GW19-0309	903218-013	Water
13DL	OU1-47GW19-0309DL	903218-013DL	Water
14	OU1-47GW25-0309	903218-014	Water
14DL	OU1-47GW25-0309DL	903218-014DL	Water
15	OU1-51GW02-0309	903218-015	Water
15DL	OU1-51GW02-0309DL	903218-015DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1, 2DL, 3DL, 4DL, 5DL, 6DL, 7DL, 8DL, 9DL, 10DL, 11DL, 13DL, 14DL, 15DL
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-MW23-0309 ug/L	OU1-MW23P-0309 ug/L	RPD	Qualifier
Methane	560	530	6%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-001-131-1/6
Sample Volume :	10	Lab File ID :	G262946.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	8.5	

UBL

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-078-1/2
Sample Volume :	10	Lab File ID :	G262947.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	110	~~E~~ J LR

Lee 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-MW21-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-079-2/2
Sample Volume :	1	Lab File ID :	G263067.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	110	

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QW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-080-1/2
Sample Volume :	10	Lab File ID :	G262948.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	560	~~E~~ J LR

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-MW23-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-081-2/2
Sample Volume :	.1	Lab File ID :	G263068.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	730	

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JW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW23P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-082-1/2
Sample Volume :	10	Lab File ID :	G262966.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	530	~~E~~ J LR

NW 5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-MW23P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-083-2/2
Sample Volume :	.1	Lab File ID :	G263069.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	570	U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-084-1/2
Sample Volume :	10	Lab File ID :	G262967.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	570	~~E~~	J LR
74-85-1	Ethene	58		
74-82-8	Methane	10000	~~E~~	J LR

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5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-47GW05-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-085-2/2
Sample Volume :	.01	Lab File ID :	G263070.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	17000	

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MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-086-1/2
Sample Volume :	10	Lab File ID :	G262968.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1000	~~E~~ J LR

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-47GW06-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-087-2/2
Sample Volume :	.1	Lab File ID :	G263071.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	1000	

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QW 6/9/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-47GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-088-1/2
Sample Volume :	10	Lab File ID :	G262969.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	42	
74-85-1	Ethene	5.8	U
74-82-8	Methane	6300	~~E~~ J LR

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-47GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-089-2/2
Sample Volume :	.01	Lab File ID :	G263075.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use 8mg, Nil

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	13000	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-090-1/2
Sample Volume :	10	Lab File ID :	G262970.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1200	~~E~~ J LR

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-47GW08-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-091-2/2
Sample Volume :	.1	Lab File ID :	G263076.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	1100	

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RW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-092-1/2
Sample Volume :	10	Lab File ID :	G262971.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	310	~~E~~ J LR

hw
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-47GW11-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-093-2/2
Sample Volume :	.1	Lab File ID :	G263077.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	400	

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LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-094-1/2
Sample Volume :	10	Lab File ID :	G262972.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	240	~~E~~ J LR

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10DL

SAMPLE NO
OU1-47GW12-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-095-2/2
Sample Volume :	1	Lab File ID :	G263078.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	200	

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LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-47GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-096-1/2
Sample Volume :	10	Lab File ID :	G262765.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	7700	~~E~~ J LR

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11DL

SAMPLE NO
OU1-47GW17-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-097-2/2
Sample Volume :	.01	Lab File ID :	G262767.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/01/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	16000	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-47GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-012-098-1/2
Sample Volume :	10	Lab File ID :	G262974.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	29	

LW 5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-47GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-100-1/2
Sample Volume :	10	Lab File ID :	G262975.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	7600	~~E~~ J LR

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-47GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-101-2/2
Sample Volume :	.01	Lab File ID :	G263079.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	3700	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-47GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-102-1/2
Sample Volume :	10	Lab File ID :	G262979.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	20	
74-85-1	Ethene	5.8	U
74-82-8	Methane	10000	~~E~~

JLR

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5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14DL

SAMPLE NO
OU1-47GW25-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-103-2/2
Sample Volume :	.01	Lab File ID :	G263080.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1000
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINA

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6200	U
74-85-1	Ethene	5800	U
74-82-8	Methane	3600	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-51GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-104-1/2
Sample Volume :	10	Lab File ID :	G262980.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	8.4	
74-85-1	Ethene	5.8	U
74-82-8	Methane	8300	~~E~~ J LR

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15DL

SAMPLE NO
OU1-51GW02-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-105-2/2
Sample Volume :	.02	Lab File ID :	G263081.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	2400	

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HW 6/4/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903218

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW20-0309	903218-001	Water
1MS	OU1-MW20-0309MS	903218-001MS	Water
1MSD	OU1-MW20-0309MSD	903218-001MSD	Water
2	OU1-MW21-0309	903218-002	Water
3	OU1-MW23-0309	903218-003	Water
4	OU1-MW23P-0309	903218-004	Water
5	OU1-47GW05-0309	903218-005	Water
6	OU1-47GW06-0309	903218-006	Water
7	OU1-47GW07-0309DL	903218-007	Water
8	OU1-47GW08-0309	903218-008	Water
9	OU1-47GW11-0309	903218-009	Water
10	OU1-47GW12-0309	903218-010	Water
11	OU1-47GW17-0309	903218-011	Water
12	OU1-47GW18-0309	903218-012	Water
13	OU1-47GW19-0309	903218-013	Water
13DL	OU1-47GW19-0309DL	903218-013DL	Water
14	OU1-47GW25-0309	903218-014	Water
15	OU1-51GW02-0309	903218-015	Water
16	OU1-TB28-0309	903218-016	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/02/09	Acetone	35.5%	J	11
	Vinyl acetate	58.5%	J/UJ	11
04/08/09	Acetone	38.7%	J	8
	Vinyl acetate	59.9%	J/UJ	1, 2, 5-9
04/09/09	Acetone	62.1%	J/UJ	3, 4, 10, 12, 13, 13DL, 14-16
	Vinyl acetate	69.0%	J/UJ	3, 4, 10, 12, 13, 13DL, 14-16

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	1,1,1-Trichloroethane	Ok/139%/Ok	J
	2-Chlorotoluene	Ok/126%/Ok	None - ND
	4-Isopropyltoluene	Ok/132%/Ok	None - ND
	Bromodichloromethane	Ok/126%/Ok	None - ND
	Chlorobenzene	Ok/124%/Ok	None - ND
	Freon 113	124%/138%/Ok	None - ND
	Isopropylbenzene	Ok/130%/Ok	None - ND
	Methylcyclohexane	Ok/134%/Ok	None - ND
	sec-Butylbenzene	Ok/128%/Ok	None - ND
	Toluene	Ok/124%/Ok	None - ND
	Trichloroethene	Ok/128%/Ok	None - ND
	Vinyl acetate	26%/30%/Ok	None - See CCAL
	o-Xylene	Ok/124%/Ok	None - ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109158	Vinyl acetate	38%	None	See CCAL
BKS109167	Vinyl acetate	32%	None	See CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB28-0309	Methylene chloride	2.6	26	U	1-13, 15

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-MW23-0309 ug/L	OU1-MW23P-0309 ug/L	RPD	Qualifier
Trichloroethene	4.3	4.8	11%	None
Vinyl chloride	1.0 U	2.1	NC	None
cis-1,2-Dichloroethene	7.5	7.0	7%	None
trans-1,2-Dichloroethene	2.2	2.4	9%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #13 exhibited a high concentration of 1,1-dichloroethane and was flagged (E) by the laboratory. The sample was reanalyzed at a 10X dilution and the dilution result should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-001-116-1/9
Sample Volume :	5	Lab File ID :	A62982.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	2.7	J MSH
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	2.0	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 6/4/09

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-001-116-1/9
Sample Volume :	5	Lab File ID :	A62982.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	7.2	
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.2	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-MW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-001-116-1/9
Sample Volume :	5	Lab File ID :	A62982.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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2

SAMPLE NO
OU1-MW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-004-1/3
Sample Volume :	5	Lab File ID :	A62985.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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FORM 1
ANALYSIS DATA SHEET

D

SAMPLE NO
OU1-MW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-004-1/3
Sample Volume :	5	Lab File ID :	A62985.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	2.5	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.8	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-004-1/3
Sample Volume :	5	Lab File ID :	A62985.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-007-1/3
Sample Volume :	5	Lab File ID :	A63005.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-007-1/3
Sample Volume :	5	Lab File ID :	A63005.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.2	u BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	4.3	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-007-1/3
Sample Volume :	5	Lab File ID :	A63005.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	7.5	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.2	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM I
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4

SAMPLE NO
OU1-MW23P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-010-1/3
Sample Volume :	5	Lab File ID :	A63004.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW23P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-010-1/3
Sample Volume :	5	Lab File ID :	A63004.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.3	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	4.8	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW23P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-010-1/3
Sample Volume :	5	Lab File ID :	A63004.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	2.1	
156-59-2	cis-1,2-Dichloroethene	7.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.4	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-013-1/3
Sample Volume :	5	Lab File ID :	A62988.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	63	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	38	
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	4.9	
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	11	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-013-1/3
Sample Volume :	5	Lab File ID :	A62988.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	5.4	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	8.9	
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	22	
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	12	
75-09-2	Methylene Chloride	2.9	U BL
91-20-3	Naphthalene	69	
135-98-8	Sec-Butylbenzene	12	
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	11	
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-013-1/3
Sample Volume :	5	Lab File ID :	A62988.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	49	
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	19	
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	14	
95-47-6	o-Xylene	23	
98-06-6	tert-Butylbenzene	2.1	
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-47GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-016-1/3
Sample Volume :	5	Lab File ID :	A62989.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-016-1/3
Sample Volume :	5	Lab File ID :	A62989.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	
91-20-3	Naphthalene	1.2	
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	0.84	J
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-47GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-016-1/3
Sample Volume :	5	Lab File ID :	A62989.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.2	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-47GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-019-1/3
Sample Volume :	.1	Lab File ID :	A62990.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
75-34-3	1,1-Dichloroethane	850	
75-35-4	1,1-Dichloroethene	72	
563-58-6	1,1-Dichloropropene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
96-12-8	1,2-Dibromo-3-Chloropropane	100	U
95-50-1	1,2-Dichlorobenzene	50	U
107-06-2	1,2-Dichloroethane	50	U
78-87-5	1,2-Dichloropropane	50	U
108-67-8	1,3,5-trimethylbenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
142-28-9	1,3-Dichloropropane	50	U
106-46-7	1,4-Dichlorobenzene	50	U
594-20-7	2,2-Dichloropropane	50	U
78-93-3	2-Butanone	250	U
95-49-8	2-Chlorotoluene	50	U
591-78-6	2-Hexanone	250	U
106-43-4	4-Chlorotoluene	50	U
99-87-6	4-Isopropyltoluene	50	U
108-10-1	4-Methyl-2-Pentanone	250	U
67-64-1	Acetone	250	U
71-43-2	Benzene	50	U
108-86-1	Bromobenzene	50	U

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GPL Laboratories

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FORM 1
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7

SAMPLE NO
OU1-47GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-019-1/3
Sample Volume :	.1	Lab File ID :	A62990.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	50	U
75-27-4	Bromodichloromethane	50	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
75-15-0	Carbon Disulfide	50	U
56-23-5	Carbon Tetrachloride	50	U
108-90-7	Chlorobenzene	50	U
75-00-3	Chloroethane	50	U
67-66-3	Chloroform	50	U
74-87-3	Chloromethane	50	U
110-82-7	Cyclohexane	50	U
124-48-1	Dibromochloromethane	50	U
74-95-3	Dibromomethane	50	U
75-71-8	Dichlorodifluoromethane	50	U
100-41-4	Ethylbenzene	50	U
106-93-4	Ethylene DiBromide	50	U
76-13-1	Freon 113	50	U
87-68-3	Hexachlorobutadiene	50	U
98-82-8	Isopropylbenzene	50	U
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-09-2	Methylene Chloride	120	U BL
91-20-3	Naphthalene	50	U
135-98-8	Sec-Butylbenzene	50	U
100-42-5	Styrene	50	U
127-18-4	Tetrachloroethylene	50	U
108-88-3	Toluene	50	U
79-01-6	Trichloroethene	440	
75-69-4	Trichlorofluoromethane	50	U

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW07-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-019-1/3
Sample Volume :	.1	Lab File ID :	A62990.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	~~U~~ UJ CH
75-01-4	Vinyl Chloride	50	U
156-59-2	cis-1,2-Dichloroethene	850	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-022-1/3
Sample Volume :	5	Lab File ID :	A62991.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	3.8	~~U~~ J CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

NW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-022-1/3
Sample Volume :	5	Lab File ID :	A62991.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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8

SAMPLE NO
OU1-47GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-022-1/3
Sample Volume :	5	Lab File ID :	A62991.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-025-1/3
Sample Volume :	5	Lab File ID :	A62992.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.1	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-025-1/3
Sample Volume :	5	Lab File ID :	A62992.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.5	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	3.8	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-025-1/3
Sample Volume :	5	Lab File ID :	A62992.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/08/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	8.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-47GW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-028-1/3
Sample Volume :	5	Lab File ID :	A63003.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.9	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-028-1/3
Sample Volume :	5	Lab File ID :	A63003.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	4.1	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	12	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.2	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-028-1/3
Sample Volume :	5	Lab File ID :	A63003.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.3	
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-47GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-031-1/3
Sample Volume :	5	Lab File ID :	A62820.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	32	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	75	
75-35-4	1,1-Dichloroethene	2.6	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	1.9	✓ J CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-47GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-031-1/3
Sample Volume :	5	Lab File ID :	A62820.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.7	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	6.5	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-47GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-031-1/3
Sample Volume :	5	Lab File ID :	A62820.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	19	
156-59-2	cis-1,2-Dichloroethene	2.9	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-47GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-012-034-1/3
Sample Volume :	5	Lab File ID :	A63002.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.3	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	10	JCCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-47GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-012-034-1/3
Sample Volume :	5	Lab File ID :	A63002.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	4.2	u BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	3.7	
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.6	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-47GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-012-034-1/3
Sample Volume :	5	Lab File ID :	A63002.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.1	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-47GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-037-1/3
Sample Volume :	5	Lab File ID :	A63001.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	12	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	240 ~~330~~	~~E~~ R DL
75-35-4	1,1-Dichloroethene	11	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-47GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-037-1/3
Sample Volume :	5	Lab File ID :	A63001.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.5	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	4.1	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-47GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-037-1/3
Sample Volume :	5	Lab File ID :	A63001.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	18	
156-59-2	cis-1,2-Dichloroethene	19	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.4	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-47GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-038-2/3
Sample Volume :	.5	Lab File ID :	A63008.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	240	
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	~~U~~ UJ CCH
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-47GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-038-2/3
Sample Volume :	.5	Lab File ID :	A63008.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U

DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13DL

SAMPLE NO
OU1-47GW19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-038-2/3
Sample Volume :	.5	Lab File ID :	A63008.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

U1 CCH

Rev 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-47GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-040-1/3
Sample Volume :	5	Lab File ID :	A63000.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	16	
75-35-4	1,1-Dichloroethene	44	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

NEO
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-47GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-040-1/3
Sample Volume :	5	Lab File ID :	A63000.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	11	
75-69-4	Trichlorofluoromethane	1.0	U

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5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-47GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-040-1/3
Sample Volume :	5	Lab File ID :	A63000.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	88	
156-59-2	cis-1,2-Dichloroethene	52	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	19	
10061-02-6	trans-1,3-dichloropropene	1.0	U

WJ CCH

NW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-51GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-043-1/3
Sample Volume :	5	Lab File ID :	A62999.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	9.2	
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-51GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-043-1/3
Sample Volume :	5	Lab File ID :	A62999.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.7	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

pw 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-51GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-043-1/3
Sample Volume :	5	Lab File ID :	A62999.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	110	
156-59-2	cis-1,2-Dichloroethene	18	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.9	
10061-02-6	trans-1,3-dichloropropene	1.0	U

KW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-016-121-1/3
Sample Volume :	5	Lab File ID :	A62998.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	✓
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

US CCH

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-016-121-1/3
Sample Volume :	5	Lab File ID :	A62998.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

fw 5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

16

SAMPLE NO
OU1-TB28-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-016-121-1/3
Sample Volume :	5	Lab File ID :	A62998.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

WJ CCH

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903218

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW20-0309	903218-001	Water
1MS*	OU1-MW20-0309MS	903218-001MS	Water
2	OU1-MW21-0309	903218-002	Water
2MS*	OU1-MW21-0309MS	903218-002MS	Water
3	OU1-MW23-0309	903218-003	Water
4	OU1-MW23P-0309	903218-004	Water
5	OU1-47GW05-0309	903218-005	Water
6	OU1-47GW06-0309	903218-006	Water
7	OU1-47GW07-0309DL	903218-007	Water
8	OU1-47GW08-0309	903218-008	Water
9	OU1-47GW11-0309	903218-009	Water
10	OU1-47GW12-0309	903218-010	Water
11	OU1-47GW17-0309	903218-011	Water
11MS**	OU1-47GW17-0309MS	903218-011MS	Water
12	OU1-47GW18-0309	903218-012	Water
13	OU1-47GW19-0309	903218-013	Water
14	OU1-47GW25-0309	903218-014	Water
15	OU1-51GW02-0309	903218-015	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-6, 8-11, 13, 14
OU1-FB031009	None - ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Nitrite	111%	None	All ND
	Nitrate	89.2%	J/UJ	All samples
2	Nitrite	131%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-MW23-0309 ug/L	OU1-MW23P-0309 ug/L	RPD	Qualifier
TOC, Average	3.8	3.7	3%	None

Compound Quantitation - Several samples were analyzed at a dilution due to high concentrations of target compounds.

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW20-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-001-137-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.1	
7440-44-0	Total Organic Carbon, Replicate 2	3.0	
7440-44-0	Total Organic Carbon, Replicate 3	3.1	
7440-44-0	Total Organic Carbon, Replicate 4	3.1	
7440-44-0	Total Organic Carbon, Average	3.1	

FORM I SW9060

LW
5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW21-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-002-107-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.3	
7440-44-0	Total Organic Carbon, Replicate 3	2.3	
7440-44-0	Total Organic Carbon, Replicate 4	2.2	
7440-44-0	Total Organic Carbon, Average	2.4	

FORM I SW9060

Lew 5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW23-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-003-108-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.9	
7440-44-0	Total Organic Carbon, Replicate 2	3.8	
7440-44-0	Total Organic Carbon, Replicate 3	3.8	
7440-44-0	Total Organic Carbon, Replicate 4	3.8	
7440-44-0	Total Organic Carbon, Average	3.8	

FORM I SW9060

MW
5/1/2009

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW23P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-004-109-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.7	
7440-44-0	Total Organic Carbon, Replicate 2	3.8	
7440-44-0	Total Organic Carbon, Replicate 3	3.7	
7440-44-0	Total Organic Carbon, Replicate 4	3.7	
7440-44-0	Total Organic Carbon, Average	3.7	

LW
5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW05-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-005-110-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	10.4	
7440-44-0	Total Organic Carbon, Replicate 2	10.6	
7440-44-0	Total Organic Carbon, Replicate 3	10.6	
7440-44-0	Total Organic Carbon, Replicate 4	10.7	
7440-44-0	Total Organic Carbon, Average	10.6	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW06-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-006-111-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.9	
7440-44-0	Total Organic Carbon, Replicate 2	4.6	
7440-44-0	Total Organic Carbon, Replicate 3	4.6	
7440-44-0	Total Organic Carbon, Replicate 4	4.6	
7440-44-0	Total Organic Carbon, Average	4.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW07-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-007-112-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/13/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.8	
7440-44-0	Total Organic Carbon, Replicate 2	5.8	
7440-44-0	Total Organic Carbon, Average	5.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW08-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-008-113-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/13/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.8	
7440-44-0	Total Organic Carbon, Replicate 2	3.7	
7440-44-0	Total Organic Carbon, Replicate 3	3.6	
7440-44-0	Total Organic Carbon, Replicate 4	3.7	
7440-44-0	Total Organic Carbon, Average	3.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW11-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-009-114-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	2
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.1	
7440-44-0	Total Organic Carbon, Replicate 2	5.6	
7440-44-0	Total Organic Carbon, Replicate 3	5.7	
7440-44-0	Total Organic Carbon, Replicate 4	5.5	
7440-44-0	Total Organic Carbon, Average	5.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW12-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-010-115-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.0	
7440-44-0	Total Organic Carbon, Replicate 2	1.9	
7440-44-0	Total Organic Carbon, Replicate 3	1.9	
7440-44-0	Total Organic Carbon, Replicate 4	1.9	
7440-44-0	Total Organic Carbon, Average	1.9	

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5/12/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW17-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-011-116-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.9	
7440-44-0	Total Organic Carbon, Replicate 2	5.8	
7440-44-0	Total Organic Carbon, Replicate 3	5.8	
7440-44-0	Total Organic Carbon, Replicate 4	5.7	
7440-44-0	Total Organic Carbon, Average	5.8	

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GPL
Laboratories

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW18-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-012-117-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.4	
7440-44-0	Total Organic Carbon, Replicate 2	3.3	
7440-44-0	Total Organic Carbon, Replicate 3	3.3	
7440-44-0	Total Organic Carbon, Replicate 4	3.3	
7440-44-0	Total Organic Carbon, Average	3.4	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW19-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-013-118-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.7	
7440-44-0	Total Organic Carbon, Replicate 2	4.7	
7440-44-0	Total Organic Carbon, Replicate 3	4.7	
7440-44-0	Total Organic Carbon, Replicate 4	4.7	
7440-44-0	Total Organic Carbon, Average	4.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW25-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-014-119-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.1	
7440-44-0	Total Organic Carbon, Replicate 2	4.9	
7440-44-0	Total Organic Carbon, Replicate 3	4.9	
7440-44-0	Total Organic Carbon, Replicate 4	4.8	
7440-44-0	Total Organic Carbon, Average	4.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51GW02-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903218
Case No.:		SDG NO.:	903218
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903218-015-120-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	2
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	22.0	
7440-44-0	Total Organic Carbon, Replicate 2	20.9	
7440-44-0	Total Organic Carbon, Replicate 3	20.9	
7440-44-0	Total Organic Carbon, Replicate 4	20.8	
7440-44-0	Total Organic Carbon, Average	21.2	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-001-125-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.24	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-047-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	4.9	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-048-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.6	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW23P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-049-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.3	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-050-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-050-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/14/2009
Injection Volume :	µL	Dilution Factor :	5
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	56	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-051-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.4	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-47GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-052-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	30	
14797-55-8	Nitrate	0.10	~~U~~ UJ MSL
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-053-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.4	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-054-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-055-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL
UJ MSL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-47GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.8	
14797-55-8	Nitrate	0.68	
7727-37-9	Nitrite	0.10	U

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LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-47GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-012-057-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	25	
14797-55-8	Nitrate	1.4	J MSL
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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13

SAMPLE NO
OU1-47GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.8	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

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µJ MSL

MW 6/4/09

GPL Laboratories

GPL
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ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-47GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-059-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.9	
14797-55-8	Nitrate	0.10	~~U~~
7727-37-9	Nitrite	0.10	U

U BL
UJ MSL

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GPL Laboratories

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15

SAMPLE NO
OU1-51GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-060-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	24	
14797-55-8	Nitrate	0.10	~~U~~ UJ MSL
7727-37-9	Nitrite	0.10	U

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SAMPLE NO
OU1-MW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-001-128-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

fw
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW21-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-002-062-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW23-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-003-063-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW23P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-004-064-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-47GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-005-065-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW06-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-006-066-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-47GW07-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-007-067-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-008-068-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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9

SAMPLE NO
OU1-47GW11-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-009-069-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-010-070-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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11

SAMPLE NO
OU1-47GW17-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-011-071-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-47GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-012-072-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

13

SAMPLE NO
OU1-47GW19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-013-073-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

14

SAMPLE NO
OU1-47GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-014-074-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

15

SAMPLE NO
OU1-51GW02-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903218
Case No. :		SDG NO :	903218
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903218-015-075-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903219

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW37-0309	903219-001	Water
1DL	OU1-MW37-0309DL	903219-001DL	Water
2	OU1-MW73-0309	903219-002	Water
2DL	OU1-MW73-0309DL	903219-002DL	Water
3	OU1-GW76-0309	903219-003	Water
3DL	OU1-GW76-0309DL	903219-003DL	Water
4	OU1-14GW18-0309	903219-004	Water
4MS	OU1-14GW18-0309MS	903219-004MS	Water
4MSD	OU1-14GW18-0309MSD	903219-004MSD	Water
5	OU1-14GW51-0309	903219-005	Water
5DL	OU1-14GW51-0309DL	903219-005DL	Water
6	OU1-47GW09-0309	903219-006	Water
6DL	OU1-47GW09-0309DL	903219-006DL	Water
7	OU1-47GW09P-0309	903219-007	Water
7DL	OU1-47GW09P-0309DL	903219-007DL	Water
8	OU1-47GW10-0309	903219-008	Water
8DL	OU1-47GW10-0309DL	903219-008DL	Water
9	OU1-47GW10P-0309	903219-009	Water
9DL	OU1-47GW10P-0309DL	903219-009DL	Water
10	OU1-47GW20-0309	903219-010	Water
10DL	OU1-47GW20-0309DL	903219-010DL	Water
11	OU1-51EX10-0309	903219-011	Water
11DL	OU1-51EX10-0309DL	903219-011DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
4	Methane	131%/131%/Ok	None - Sample ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 5DL, 6DL, 7DL, 8DL, 9DL, 10DL, 11DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-47GW09-0309 ug/L	OU1-47GW09P-0309 ug/L	RPD	Qualifier
Methane	740	680	8%	None

Compound	OU1-GW10-0309 ug/L	OU1-GW10P-0309 ug/L	RPD	Qualifier
Methane	48	80	50%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

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SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-059-1/2
Sample Volume :	10	Lab File ID :	G262981.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	63	~~E~~ J LR

LW 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-MW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-060-2/2
Sample Volume :	2	Lab File ID :	G263087.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	2
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	12	U
74-85-1	Ethene	12	U
74-82-8	Methane	7.9	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-061-1/2
Sample Volume :	10	Lab File ID :	G262810.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	
74-85-1	Ethene	1100 ~~700~~	~~E~~	RDL
74-82-8	Methane	700	~~E~~	J LR

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-MW73-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-062-2/2
Sample Volume :	.1	Lab File ID :	G262812.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	1100	
74-82-8	Methane	520	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-063-1/2
Sample Volume :	10	Lab File ID :	G262982.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	8.4	
74-85-1	Ethene	5.8	U
74-82-8	Methane	1300	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-GW76-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-064-2/2
Sample Volume :	.1	Lab File ID :	G263088.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	500	

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KW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-14GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-004-065-1/2
Sample Volume :	10	Lab File ID :	G262811.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-14GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-067-1/2
Sample Volume :	10	Lab File ID :	G262983.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	50	
74-85-1	Ethene	8.0	
74-82-8	Methane	2000	~~E~~ JLR

MW 5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-14GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-068-2/2
Sample Volume :	.1	Lab File ID :	G263089.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	660	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-069-1/2
Sample Volume :	10	Lab File ID :	G262984.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	740	~~E~~

JLR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-47GW09-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-070-2/2
Sample Volume :	.2	Lab File ID :	G263090.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	720	

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6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-47G~~E~~W09P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-071-1/2
Sample Volume :	10	Lab File ID :	G262986.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	680	~~E~~ J LR

lw 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-47GE09P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-072-2/2
Sample Volume :	.2	Lab File ID :	G263091.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	780	

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RW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

W

SAMPLE NO
OU1-47GE09P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-072-2/2
Sample Volume :	.2	Lab File ID :	G263091.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Origi. NRC

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	780	

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hw 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-073-1/2
Sample Volume :	10	Lab File ID :	G262991.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	48	~~E~~

JLR

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-47GW10-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-074-2/2
Sample Volume :	2	Lab File ID :	G263092.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	25	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW10P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-075-1/2
Sample Volume :	10	Lab File ID :	G262992.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	80	~~E~~ J LR

LW
5/11/09

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-47GW10P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-076-2/2
Sample Volume :	2	Lab File ID :	G263093.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	72	

4 BL

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MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-47GW10P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-076-2/2
Sample Volume :	2	Lab File ID :	G263093.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	72	B BL

R DL

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-077-1/2
Sample Volume :	10	Lab File ID :	G262994.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	100	~~E~~ J LR

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

10DL

SAMPLE NO
OU1-47GW20-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-078-2/2
Sample Volume :	1	Lab File ID :	G262996.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	110	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-51EX10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-079-1/2
Sample Volume :	10	Lab File ID :	G262995.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2700	~~E~~ J UR

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

110L

SAMPLE NO
OU1-51EX10-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-080-2/2
Sample Volume :	.05	Lab File ID :	G262997.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	ID. RTX_VC	Dilution Factor :	200
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1200	U
74-85-1	Ethene	1200	U
74-82-8	Methane	2800	

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6/4/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903219

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW37-0309	903219-001	Water
2	OU1-MW73-0309	903219-002	Water
3	OU1-GW76-0309	903219-003	Water
3DL	OU1-GW76-0309DL	903219-003DL	Water
4	OU1-14GW18-0309	903219-004	Water
5	OU1-14GW51-0309	903219-005	Water
5DL	OU1-14GW51-0309DL	903219-005DL	Water
6	OU1-47GW09-0309	903219-006	Water
7	OU1-47GW09P-0309	903219-007	Water
8	OU1-47GW10-0309	903219-008	Water
9	OU1-47GW10P-0309	903219-009	Water
10	OU1-47GW20-0309	903219-010	Water
11	OU1-51EX10-0309	903219-011	Water
12	OU1-TB29-0309	903219-012	Water
12RE	OU1-TB29-0309RE	903219-012RE	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/02/09	Vinyl acetate	58.5%	J/UJ	2, 4
04/09/09 (0822)	Acetone	62.1%/0.047 RRF	J/R	1, 3, 5-10
	Vinyl acetate	69.0%	J/UJ	1, 3, 5-10
04/09/09 (0916)	Tetrachloroethene	58.7%	J/UJ	11, 12
04/10/09 (0927)	Vinyl acetate	65.4%	J/UJ	3DL, 5DL
04/10/09 (2224)	Vinyl acetate	80.1%	J/UJ	12RE
	Tetrachloroethene	85.4%	J/UJ	12RE

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109175	Vinyl acetate	32%	None	Already qualified due to CCAL
BKS109183	Tetrachloroethylene	162%	None	All ND
	Vinyl acetate	166%	None	All ND
BKS109187	Vinyl acetate	36%	None	Already qualified due to CCAL
BKS109193	Tetrachloroethylene	192%	None	Already qualified due to CCAL
	Vinyl acetate	24%	None	Already qualified due to CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB29-0309	Methylene chloride	62	620	U	1, 3, 5-10
OU1-TB29-0309RE	Methylene chloride	35	350	None	See OU1-TB29-0309

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-47GW09-0309 ug/L	OU1-47GW09P-0309 ug/L	RPD	Qualifier
Acetone	1.8	5.0 R	NC	None
cis-1,2-Dichloroethene	4.1	4.1	0%	None

Compound	OU1-GW10-0309 ug/L	OU1-GW10P-0309 ug/L	RPD	Qualifier
Acetone	5.0 U	1.4	NC	None
Chloroform	5.4	4.0	30%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited compounds over the linear calibration range. The laboratory diluted and reanalyzed these samples. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-001-1/3
Sample Volume :	5	Lab File ID :	A63009.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	R ~~U~~ CC
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

RW 5/4/09

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-001-1/3
Sample Volume :	5	Lab File ID :	A63009.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-001-1/3
Sample Volume :	5	Lab File ID :	A63009.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJCCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-004-1/3
Sample Volume :	5	Lab File ID :	A62821.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	24	
108-86-1	Bromobenzene	1.0	U

MW 5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO, :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-004-1/3
Sample Volume :	5	Lab File ID :	A62821.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

LW 5/14/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-004-1/3
Sample Volume :	5	Lab File ID :	A62821.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	3.8	
10061-02-6	trans-1,3-dichloropropene	1.0	U

MW
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-007-1/3
Sample Volume :	5	Lab File ID :	A63010.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	23	
75-35-4	1,1-Dichloroethene	55	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ R CC
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

KW 5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-007-1/3
Sample Volume :	5	Lab File ID :	A63010.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	38	
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-007-1/3
Sample Volume :	5	Lab File ID :	A63010.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	52	
156-59-2	cis-1,2-Dichloroethene	270 ~~320~~	~~E~~
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	32	
10061-02-6	trans-1,3-dichloropropene	1.0	U

WJ CCH

R DL

RW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3D2

SAMPLE NO
OU1-GW76-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-008-2/3
Sample Volume :	.5	Lab File ID :	A63044.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	19	
75-35-4	1,1-Dichloroethene	40	
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

DL

LW 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-GW76-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-008-2/3
Sample Volume :	.5	Lab File ID :	A63044.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	33	
75-69-4	Trichlorofluoromethane	10	U

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-GW76-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-008-2/3
Sample Volume :	.5	Lab File ID :	A63044.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~
75-01-4	Vinyl Chloride	44	
156-59-2	cis-1,2-Dichloroethene	270	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	27	
10061-02-6	trans-1,3-dichloropropene	10	U

UJ CEH

RL DL

LW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-14GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-004-010-1/3
Sample Volume :	5	Lab File ID :	A62822.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

nw
5/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-14GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-004-010-1/3
Sample Volume :	5	Lab File ID :	A62822.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-14GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-004-010-1/3
Sample Volume :	5	Lab File ID :	A62822.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-14GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-013-1/3
Sample Volume :	5	Lab File ID :	A63011.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	16	
75-35-4	1,1-Dichloroethene	63	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ R CC
71-43-2	Benzene	0.97	J
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-14GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-013-1/3
Sample Volume :	5	Lab File ID :	A63011.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.5	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	13	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-14GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-013-1/3
Sample Volume :	5	Lab File ID :	A63011.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-05-4	Vinyl Acetate	1.0	~~U~~	UJ CCM
75-01-4	Vinyl Chloride	170 ~~230~~	~~E~~	RDL
156-59-2	cis-1,2-Dichloroethene	320 ~~410~~	~~E~~	RDL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	
136777-61-2	m,p-Xylene	1.0	U	
104-51-8	n-Butylbenzene	1.0	U	
103-65-1	n-Propylbenzene	1.0	U	
95-47-6	o-Xylene	1.0	U	
98-06-6	tert-Butylbenzene	1.0	U	
1634-04-4	tert-butyl methyl ether	1.0	U	
156-60-5	trans-1,2-dichloroethene	170 ~~240~~	~~E~~	RDL
10061-02-6	trans-1,3-dichloropropene	1.0	U	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-14GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-014-2/3
Sample Volume :	.5	Lab File ID :	A63045.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	46	
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

RDL

RW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SDL

SAMPLE NO
OU1-14GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-014-2/3
Sample Volume :	.5	Lab File ID :	A63045.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U

RL DL

LW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-14GW51-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-014-2/3
Sample Volume :	.5	Lab File ID :	A63045.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~
75-01-4	Vinyl Chloride	170	
156-59-2	cis-1,2-Dichloroethene	320	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	170	
10061-02-6	trans-1,3-dichloropropene	10	U

US CCH

R DL

LWS 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-016-1/3
Sample Volume :	5	Lab File ID :	A63012.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	1.8	~~U~~ J CC
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-016-1/3
Sample Volume :	5	Lab File ID :	A63012.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.2	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-016-1/3
Sample Volume :	5	Lab File ID :	A63012.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	4.1	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47G~~E~~W09P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-019-1/3
Sample Volume :	5	Lab File ID :	A63013.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ R CC
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GE09P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-019-1/3
Sample Volume :	5	Lab File ID :	A63013.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.4	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW09P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-019-1/3
Sample Volume :	5	Lab File ID :	A63013.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	4.1	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-022-1/3
Sample Volume :	5	Lab File ID :	A63014.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ R CC
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-022-1/3
Sample Volume :	5	Lab File ID :	A63014.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	5.4	
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.8	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-022-1/3
Sample Volume :	5	Lab File ID :	A63014.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW10P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-025-1/3
Sample Volume :	5	Lab File ID :	A63015.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	1.4	J
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW10P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-025-1/3
Sample Volume :	5	Lab File ID :	A63015.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	4.0	
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.5	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW10P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-025-1/3
Sample Volume :	5	Lab File ID :	A63015.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ug CM

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-028-1/3
Sample Volume :	5	Lab File ID :	A63016.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	0.97	~~U~~ J CC
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

kw
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-028-1/3
Sample Volume :	5	Lab File ID :	A63016.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.9	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-028-1/3
Sample Volume :	5	Lab File ID :	A63016.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

MW
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-51EX10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-031-1/3
Sample Volume :	5	Lab File ID :	A63022.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	20	
75-35-4	1,1-Dichloroethene	37	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-51EX10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-031-1/3
Sample Volume :	5	Lab File ID :	A63022.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	6.6	
75-69-4	Trichlorofluoromethane	1.0	U

hw 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-031-1/3
Sample Volume :	5	Lab File ID :	A63022.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	31	
156-59-2	cis-1,2-Dichloroethene	150	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	13	
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-TB29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-012-034-1/3
Sample Volume :	5	Lab File ID :	A63023.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-TB29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-012-034-1/3
Sample Volume :	5	Lab File ID :	A63023.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	62	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

us CCH

KW 5/14/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12

SAMPLE NO
OU1-TB29-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-012-034-1/3
Sample Volume :	5	Lab File ID :	A63023.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12RE

SAMPLE NO
OU1-TB29-0309RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-012-035-2/3
Sample Volume :	5	Lab File ID :	A63079.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

RE

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

LW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12RE

SAMPLE NO
OU1-TB29-0309RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-012-035-2/3
Sample Volume :	5	Lab File ID :	A63079.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	35	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

RE

MW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

12RE

SAMPLE NO
OU1-TB29-0309RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-012-035-2/3
Sample Volume :	5	Lab File ID :	A63079.D
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

RE

U5 CCU

QW 5/14/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903219

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW37-0309	903219-001	Water
1MS*	OU1-MW37-0309MS	903219-001MS	Water
2	OU1-MW73-0309	903219-002	Water
2MS*	OU1-MW73-0309MS	903219-002MS	Water
3	OU1-GW76-0309	903219-003	Water
4	OU1-14GW18-0309	903219-004	Water
5	OU1-14GW51-0309	903219-005	Water
6	OU1-47GW09-0309	903219-006	Water
6MS**	OU1-47GW09-0309MS	903219-006MS	Water
7	OU1-47GW09P-0309	903219-007	Water
8	OU1-47GW10-0309	903219-008	Water
9	OU1-47GW10P-0309	903219-009	Water
10	OU1-47GW20-0309	903219-010	Water
11	OU1-51EX10-0309	903219-011	Water

** MS - Nitrate, Nitrite, Chloride only* *** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-5, 8-11
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Nitrite	126%	None	All ND
2	Nitrite	136%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-47GW09-0309 mg/L	OU1-47GW09P-0309 mg/L	RPD	Qualifier
TOC, Average	8.8	8.8	0%	None
Chloride	25	24	4%	None

Compound	OU1-47GW10-0309 mg/L	OU1-47GW10P-0309 mg/L	RPD	Qualifier
TOC, Replicate 4	3.6	3.5	3%	None
TOC, Average	3.7	3.5	6%	None

Compound Quantitation - No discrepancies were identified.

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SAMPLE NO
OU1-MW37-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-001-081-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.1	
7440-44-0	Total Organic Carbon, Replicate 2	1.1	
7440-44-0	Total Organic Carbon, Replicate 3	1.1	
7440-44-0	Total Organic Carbon, Replicate 4	1.1	
7440-44-0	Total Organic Carbon, Average	1.1	

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SAMPLE NO
OU1-MW73-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-002-082-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	7.2	
7440-44-0	Total Organic Carbon, Replicate 2	7.4	
7440-44-0	Total Organic Carbon, Replicate 3	7.3	
7440-44-0	Total Organic Carbon, Replicate 4	7.3	
7440-44-0	Total Organic Carbon, Average	7.3	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-GW76-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-003-083-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/14/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.1	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.1	
7440-44-0	Total Organic Carbon, Average	2.1	

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW18-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-004-084-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.7	
7440-44-0	Total Organic Carbon, Replicate 2	2.8	
7440-44-0	Total Organic Carbon, Replicate 3	2.8	
7440-44-0	Total Organic Carbon, Replicate 4	2.8	
7440-44-0	Total Organic Carbon, Average	2.8	

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SAMPLE NO
OU1-14GW51-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-005-085-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.8	
7440-44-0	Total Organic Carbon, Replicate 2	3.8	
7440-44-0	Total Organic Carbon, Replicate 3	3.8	
7440-44-0	Total Organic Carbon, Replicate 4	3.8	
7440-44-0	Total Organic Carbon, Average	3.8	

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW09-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-006-086-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	8.6	
7440-44-0	Total Organic Carbon, Replicate 2	8.8	
7440-44-0	Total Organic Carbon, Replicate 3	8.9	
7440-44-0	Total Organic Carbon, Replicate 4	8.9	
7440-44-0	Total Organic Carbon, Average	8.8	

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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW09P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-007-087-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	8.7	
7440-44-0	Total Organic Carbon, Replicate 2	8.9	
7440-44-0	Total Organic Carbon, Replicate 3	8.9	
7440-44-0	Total Organic Carbon, Replicate 4	8.9	
7440-44-0	Total Organic Carbon, Average	8.8	

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW10-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-008-088-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.9	
7440-44-0	Total Organic Carbon, Replicate 2	3.7	
7440-44-0	Total Organic Carbon, Replicate 3	3.7	
7440-44-0	Total Organic Carbon, Replicate 4	3.6	
7440-44-0	Total Organic Carbon, Average	3.7	

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ANALYSIS DATA SHEET

SAMPLE NO
OU1-47GW10P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-009-089-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.5	
7440-44-0	Total Organic Carbon, Replicate 2	3.5	
7440-44-0	Total Organic Carbon, Replicate 3	3.5	
7440-44-0	Total Organic Carbon, Replicate 4	3.5	
7440-44-0	Total Organic Carbon, Average	3.5	

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SAMPLE NO
OU1-47GW20-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-010-090-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.2	
7440-44-0	Total Organic Carbon, Replicate 2	3.2	
7440-44-0	Total Organic Carbon, Replicate 3	3.1	
7440-44-0	Total Organic Carbon, Replicate 4	3.1	
7440-44-0	Total Organic Carbon, Average	3.2	

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GPL
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ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX10-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903219
Case No.:		SDG NO.:	903219
Matrix: (Soil/Water)	WATER	Lab Sample ID:	309219-011-091-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/28/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.4	
7440-44-0	Total Organic Carbon, Replicate 2	5.3	
7440-44-0	Total Organic Carbon, Replicate 3	5.2	
7440-44-0	Total Organic Carbon, Replicate 4	5.2	
7440-44-0	Total Organic Carbon, Average	5.2	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/28/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.29	
7727-37-9	Nitrite	0.10	U

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SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-037-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/07/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.8	

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SAMPLE NO
OU1-MW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-038-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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SAMPLE NO
OU1-GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-039-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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SAMPLE NO
OU1-14GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-041-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-042-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	25	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW09P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-043-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	24	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-044-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	5.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW10P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-045-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	5.2	u BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-47GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-046-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	2.1	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-51EX10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-047-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	13	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-001-048-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW73-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-002-049-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-GW76-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-003-050-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-14GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-004-051-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-14GW51-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-005-052-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-14GW18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-004-040-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/28/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/29/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	3.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-47GW09-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-006-053-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-47GE09P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-007-054-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-47GW10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-008-055-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-47GW10P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-009-056-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw
5/11/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

10

SAMPLE NO
OU1-47GW20-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-010-057-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/11/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

11

SAMPLE NO
OU1-51EX10-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903219
Case No. :		SDG NO :	903219
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903219-011-058-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/28/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw 5/11/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903232

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW05-0309	903232-001	Water
2	OU1-GW75-0309	903232-002	Water
2DL	OU1-GW75-0309DL	903232-002DL	Water
3	OU1-N5GW03-0309	903232-003	Water
3DL	OU1-N5GW03-0309DL	903232-003DL	Water
4	OU1-52GW49-0309	903232-004	Water
4DL	OU1-52GW49-0309DL	903232-004DL	Water
5	OU1-52GW49P-0309	903232-005	Water
5DL	OU1-52GW49P-0309DL	903232-005DL	Water
6	OU1-N4GW14-0309	903232-006	Water
7	OU1-N4GW14P-0309	903232-007	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	2DL, 3DL, 4DL, 5DL, 6, 7
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW49-0309 ug/L	OU1-52GW49P-0309 ug/L	RPD	Qualifier
Methane	58	63	8%	None

Compound	OU1-N4GW14-0309 ug/L	OU1-N4GW14P-0309 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region III - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903232

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: May 12, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW05-0309	903232-001	Water
2	OU1-GW75-0309	903232-002	Water
2DL	OU1-GW75-0309DL	903232-002DL	Water
3	OU1-N5GW03-0309	903232-003	Water
3DL	OU1-N5GW03-0309DL	903232-003DL	Water
4	OU1-52GW49-0309	903232-004	Water
4DL	OU1-52GW49-0309DL	903232-004DL	Water
5	OU1-52GW49P-0309	903232-005	Water
5DL	OU1-52GW49P-0309DL	903232-005DL	Water
6	OU1-N4GW14-0309	903232-006	Water
7	OU1-N4GW14P-0309	903232-007	Water

The USEPA "Region III Modifications to the National Functional Guidelines for Organic Data Review", September 1994, was used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	B	2DL, 3DL, 4DL, 5DL, 6, 7
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW49-0309 ug/L	OU1-52GW49P-0309 ug/L	RPD	Qualifier
Methane	58	63	8%	None

Compound	OU1-N4GW14-0309 ug/L	OU1-N4GW14P-0309 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-001-042-1/2
Sample Volume :	10	Lab File ID :	G263044.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-044-1/2
Sample Volume :	10	Lab File ID :	G263045.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	550	~~E~~ JLR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-GW75-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-045-2/2DL
Sample Volume :	.2	Lab File ID :	G263119.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	290	U
74-82-8	Methane	610	

4 BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-N5GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-046-1/2
Sample Volume :	10	Lab File ID :	G263046.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	110	~~E~~ J LR

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5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3 DL

SAMPLE NO
OU1-N5GW03-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-047-2/2DL
Sample Volume :	2	Lab File ID :	G263120.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	34	

U BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-048-1/2
Sample Volume :	10	Lab File ID :	G263047.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	58	~~E~~ J LR

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-52GW49-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-049-2/2DL
Sample Volume :	2	Lab File ID :	G263121.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	65	

k BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW49P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-050-1/2
Sample Volume :	10	Lab File ID :	G263048.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	63	~~E~~ J LR

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-52GW49P-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-051-2/2DL
Sample Volume :	2	Lab File ID :	G263122.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use 8mg, MRL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	17	

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-N4GW14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-006-052-1/2
Sample Volume :	10	Lab File ID :	G263049.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	16	

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N4GW14P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-007-054-1/2
Sample Volume :	10	Lab File ID :	G263050.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/13/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	13	

UBL

MW 6/4/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903232

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW05-0309	903232-001	Water
2	OU1-GW75-0309	903232-002	Water
3	OU1-N5GW03-0309	903232-003	Water
4	OU1-52GW49-0309	903232-004	Water
5	OU1-52GW49P-0309	903232-005	Water
6	OU1-N4GW14-0309	903232-006	Water
7	OU1-N4GW14P-0309	903232-007	Water
8	OU1-TB30-0309	903232-008	Water
9	OU1-TB31-0309	903232-009	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/10/09 (0927)	Vinyl acetate	65.4%	J/UJ	1-7
04/10/09 (2224)	Acetone	39.5%	J	8
	Vinyl acetate	80.1%	J/UJ	8, 9
	Tetrachloroethene	85.4%	J/UJ	8, 9

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109234	Vinyl acetate	36%	None	Already qualified due to CCAL
BKS109237	Tetrachloroethylene	182%	None	Already qualified due to CCAL
	Vinyl acetate	24%	None	Already qualified due to CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-
OU1-TB30-0309	Acetone	2.3	23	U	6, 7
	Bromodichloromethane	13	65	None	Samples ND
	Chloroform	30	150	None	Samples ND
	Methylene chloride	880	8800	U	2-7
OU1-TB31-0309	Chloroform	30	150	None	Samples ND
	Methylene chloride	53	530	None	See OU1-TB30-0309

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW49-0309 ug/L	OU1-52GW49P-0309 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound	OU1-N4GW14-0309 ug/L	OU1-N4GW14P-0309 ug/L	RPD	Qualifier
Vinyl chloride	9.7	11	13%	None
cis-1,2-Dichloroethene	34	36	6%	None
trans-1,2-Dichloroethene	1.9	0.83	78%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #s 8 and 9 exhibited high concentrations of target compounds and were reanalyzed by the laboratory. The results were confirmed but not included in this data package.

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SAMPLE NO
OU1-16GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-001-001-1/3
Sample Volume :	5	Lab File ID :	A63056.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-001-001-1/3
Sample Volume :	5	Lab File ID :	A63056.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-16GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-001-001-1/3
Sample Volume :	5	Lab File ID :	A63056.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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2

SAMPLE NO
OU1-GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-004-1/3
Sample Volume :	5	Lab File ID :	A63057.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	2.3	
75-35-4	1,1-Dichloroethene	1.3	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	0.83	J
108-86-1	Bromobenzene	1.0	U

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2

SAMPLE NO
OU1-GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-004-1/3
Sample Volume :	5	Lab File ID :	A63057.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.4	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	9.5	
75-69-4	Trichlorofluoromethane	1.0	U

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2

SAMPLE NO
OU1-GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-004-1/3
Sample Volume :	5	Lab File ID :	A63057.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	8.7	
156-59-2	cis-1,2-Dichloroethene	120	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	2.7	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-N5GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-007-1/3
Sample Volume :	5	Lab File ID :	A63058.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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3

SAMPLE NO
OU1-N5GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-007-1/3
Sample Volume :	5	Lab File ID :	A63058.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.8	u BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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3

SAMPLE NO
OU1-N5GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-007-1/3
Sample Volume :	5	Lab File ID :	A63058.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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4

SAMPLE NO
OU1-52GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-010-1/3
Sample Volume :	5	Lab File ID :	A63059.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-010-1/3
Sample Volume :	5	Lab File ID :	A63059.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.5	UBL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

GPL Laboratories

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SAMPLE NO
OU1-52GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-010-1/3
Sample Volume :	5	Lab File ID :	A63059.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-52GW49P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-013-1/3
Sample Volume :	5	Lab File ID :	A63060.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW49P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-013-1/3
Sample Volume :	5	Lab File ID :	A63060.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.5	u BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-52GW49P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-013-1/3
Sample Volume :	5	Lab File ID :	A63060.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-006-016-1/3
Sample Volume :	5	Lab File ID :	A63061.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5 ~~1.5~~	✓ U BL
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-006-016-1/3
Sample Volume :	5	Lab File ID :	A63061.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	3.0	u BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-006-016-1/3
Sample Volume :	5	Lab File ID :	A63061.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	9.7	
156-59-2	cis-1,2-Dichloroethene	34	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.9	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW14P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-007-019-1/3
Sample Volume :	5	Lab File ID :	A63062.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5 ~~10~~	~~U~~ U BL
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW14P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-007-019-1/3
Sample Volume :	5	Lab File ID :	A63062.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.9	U BL
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N4GW14P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-007-019-1/3
Sample Volume :	5	Lab File ID :	A63062.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	11	
156-59-2	cis-1,2-Dichloroethene	36	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	0.83	J
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-008-022-1/3
Sample Volume :	5	Lab File ID :	A63070.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	2.3	✓ JC4
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-008-022-1/3
Sample Volume :	5	Lab File ID :	A63070.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	13	
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	30	
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	880	~~B~~ JLR
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB30-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-008-022-1/3
Sample Volume :	5	Lab File ID :	A63070.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-009-025-1/3
Sample Volume :	5	Lab File ID :	A63069.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-TB31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-009-025-1/3
Sample Volume :	5	Lab File ID :	A63069.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	30	
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	53	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-TB31-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-009-025-1/3
Sample Volume :	5	Lab File ID :	A63069.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903232

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW05-0309	903232-001	Water
2	OU1-GW75-0309	903232-002	Water
3	OU1-N5GW03-0309	903232-003	Water
3MS*	OU1-N5GW03-0309MS	903232-003MS	Water
4	OU1-52GW49-0309	903232-004	Water
5	OU1-52GW49P-0309	903232-005	Water
6	OU1-N4GW14-0309	903232-006	Water
7	OU1-N4GW14P-0309	903232-007	Water

** MS - TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-7
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
Reference	Nitrite	112%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW49-0309 mg/L	OU1-52GW49P-0309 mg/L	RPD	Qualifier
TOC, Average	1.8	1.5	18%	None

Compound	OU1-N4GW14-0309 mg/L	OU1-N4GW14P-0309 mg/L	RPD	Qualifier
TOC, Average	2.3	2.4	4%	None
Nitrate	1.1	1.1	0%	None

Compound Quantitation - No discrepancies were identified.

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region III - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903232

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: May 12, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW05-0309	903232-001	Water
2	OU1-GW75-0309	903232-002	Water
3	OU1-N5GW03-0309	903232-003	Water
3MS*	OU1-N5GW03-0309MS	903232-003MS	Water
4	OU1-52GW49-0309	903232-004	Water
5	OU1-52GW49P-0309	903232-005	Water
6	OU1-N4GW14-0309	903232-006	Water
7	OU1-N4GW14P-0309	903232-007	Water

** MS - TOC only*

The USEPA "Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses", April 1993, was used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	B	1-7
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
Reference	Nitrite	112%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-52GW49-0309 mg/L	OU1-52GW49P-0309 mg/L	RPD	Qualifier
TOC, Average	1.8	1.5	18%	None

Compound	OU1-N4GW14-0309 mg/L	OU1-N4GW14P-0309 mg/L	RPD	Qualifier
TOC, Average	2.3	2.4	4%	None
Nitrate	1.1	1.1	0%	None

Compound Quantitation - No discrepancies were identified.

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW05-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-001-056-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	2
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	26.7	
7440-44-0	Total Organic Carbon, Replicate 2	26.3	
7440-44-0	Total Organic Carbon, Replicate 3	26.3	
7440-44-0	Total Organic Carbon, Replicate 4	25.7	
7440-44-0	Total Organic Carbon, Average	26.2	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-GW75-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-002-057-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.3	
7440-44-0	Total Organic Carbon, Replicate 3	1.3	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.3	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N5GW03-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-003-058-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.2	
7440-44-0	Total Organic Carbon, Replicate 2	2.1	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.1	
7440-44-0	Total Organic Carbon, Average	2.1	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW49-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-004-059-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.8	
7440-44-0	Total Organic Carbon, Replicate 3	1.8	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-52GW49P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-005-060-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.4	
7440-44-0	Total Organic Carbon, Average	1.5	

FORM I SW9060

RW
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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N4GW14-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-006-061-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.3	
7440-44-0	Total Organic Carbon, Replicate 2	2.3	
7440-44-0	Total Organic Carbon, Replicate 3	2.3	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.3	

FORM I SW9060

lw
5/12/09

7

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N4GW14P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903232
Case No.:		SDG NO.:	903232
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903232-007-062-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/15/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.5	
7440-44-0	Total Organic Carbon, Replicate 2	2.4	
7440-44-0	Total Organic Carbon, Replicate 3	2.4	
7440-44-0	Total Organic Carbon, Replicate 4	2.4	
7440-44-0	Total Organic Carbon, Average	2.4	

FORM I SW9060

lew
5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-001-028-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

lw 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-029-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.1	u BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-N5GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-030-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-031-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW49P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-032-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-N4GW14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-006-033-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.0	
14797-55-8	Nitrate	1.1	
7727-37-9	Nitrite	0.10	U

u BL

JW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N4GW14P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-007-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.1	
14797-55-8	Nitrate	1.1	
7727-37-9	Nitrite	0.10	U

u BL

lw 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW05-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-001-035-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lew 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-GW75-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-002-036-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-N5GW03-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-003-037-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

NW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-52GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-004-038-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-52GW49P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-005-039-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-N4GW14-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-006-040-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-N4GW14P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903232
Case No. :		SDG NO :	903232
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903232-007-041-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

Rev 5/12/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903233

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW40-0309	903233-001	Water
1MS	OU1-MW40-0309MS	903233-001MS	Water
1MSD	OU1-MW40-0309MSD	903233-001MSD	Water
1DL	OU1-MW40-0309DL	903233-001DL	Water
2	OU1-MW41-0309	903233-002	Water
2MS	OU1-MW41-0309MS	903233-002MS	Water
2MSD	OU1-MW41-0309MSD	903233-002MSD	Water
2DL	OU1-MW41-0309DL	903233-002DL	Water
3	OU1-MW42-0309	903233-003	Water
3DL	OU1-MW42-0309DL	903233-003DL	Water
4	OU1-MW43-0309	903233-004	Water
4DL	OU1-MW43-0309DL	903233-004DL	Water
5	OU1-MW44-0309	903233-005	Water
5DL	OU1-MW44-0309DL	903233-005DL	Water
6	OU1-MW45-0309	903233-006	Water
6DL	OU1-MW45-0309DL	903233-006DL	Water
7	OU1-51EX12-0309	903233-007	Water
7DL	OU1-51EX12-0309DL	903233-007DL	Water
8	OU1-N2GW25-0309	903233-008	Water
8DL	OU1-N2GW25-0309DL	903233-008DL	Water
9	OU1-N2GW36-0309	903233-009	Water
9DL	OU1-N2GW36-0309DL	903233-009DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Methane	50%/69%/32	None - Already qualified
2	Methane	0%/0%/0	None - 4X rule

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	1DL, 2DL, 3DL, 4DL, 5DL, 6DL, 7DL, 8DL, 9DL
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-066-1/6
Sample Volume :	10	Lab File ID :	G263025.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	43	~~E~~ J LR

dw 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-MW40-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-067-2/6DL
Sample Volume :	2	Lab File ID :	G263109.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	20	

U BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-072-1/6
Sample Volume :	10	Lab File ID :	G263026.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2900	~~E~~ J LR

NW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-MW41-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-073-2/6DL
Sample Volume :	.1	Lab File ID :	G263110.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	450	

u BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-078-1/2
Sample Volume :	10	Lab File ID :	G263029.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2800	~~E~~ J LR

lw 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-MW42-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-079-2/2DL
Sample Volume :	.1	Lab File ID :	G263111.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	450	

U BL

R DL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-080-1/2
Sample Volume :	10	Lab File ID :	G263031.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3100	~~E~~ J LR

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-MW43-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-081-2/2DL
Sample Volume :	2	Lab File ID :	G263112.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	28	

u BL

R DL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-MW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-082-1/2
Sample Volume :	10	Lab File ID :	G263034.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	75	~~E~~

J LR

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-MW44-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-083-2/2DL
Sample Volume :	2	Lab File ID :	G263113.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	23	

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6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-084-1/2
Sample Volume :	10	Lab File ID :	G263037.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	2400	~~E~~ J LR

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-MW45-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-085-2/2DL
Sample Volume :	.1	Lab File ID :	G263114.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	490	

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lw 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-086-1/2
Sample Volume :	10	Lab File ID :	G263038.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	65	~~E~~	J LR
74-85-1	Ethene	5.8	U	
74-82-8	Methane	4300	~~E~~	J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX12-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-087-2/2DL
Sample Volume :	.02	Lab File ID :	G263115.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	2100	

U BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-088-1/2
Sample Volume :	10	Lab File ID :	G263039.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	290	~~E~~ J LR

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-N2GW25-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-089-2/2DL
Sample Volume :	1	Lab File ID :	G263116.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	50	

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-090-1/2
Sample Volume :	10	Lab File ID :	G263040.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	6.0	
74-82-8	Methane	8200	~~E~~ J LR

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-N2GW36-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-091-2/2DL
Sample Volume :	.02	Lab File ID :	G263117.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/15/2009
GC Column :	ID. RTX_VC	Dilution Factor :	500
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use-Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	3100	U
74-85-1	Ethene	2900	U
74-82-8	Methane	2900	

U BL

R DL

MW 6/4/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903233

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW40-0309	903233-001	Water
1MS	OU1-MW40-0309MS	903233-001MS	Water
1MSD	OU1-MW40-0309MSD	903233-001MSD	Water
2	OU1-MW41-0309	903233-002	Water
2MS	OU1-MW41-0309MS	903233-002MS	Water
2MSD	OU1-MW41-0309MSD	903233-002MSD	Water
3	OU1-MW42-0309	903233-003	Water
4	OU1-MW43-0309	903233-004	Water
5	OU1-MW44-0309	903233-005	Water
6	OU1-MW45-0309	903233-006	Water
7	OU1-51EX12-0309	903233-007	Water
7DL	OU1-51EX12-0309DL	903233-007DL	Water
8	OU1-N2GW25-0309	903233-008	Water
9	OU1-N2GW36-0309	903233-009	Water
9DL	OU1-N2GW36-0309DL	903233-009DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/09/09	Tetrachloroethylene	58.7%	J/UJ	1-7
04/10/09 (0927)	Vinyl acetate	65.4%	J/UJ	7DL
04/10/09 (2224)	Vinyl acetate	80.1%	J/UJ	9DL
	Tetrachloroethene	85.4%	J/UJ	9DL

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	1,1,1-Trichloroethane	Ok/132%/Ok	None - All ND
	Carbon tetrachloride	142%/Ok/Ok	None - All ND
	Cyclohexane	124%/124%/Ok	None - All ND
	Freon 113	148%/150%/Ok	None - All ND
	Methylcyclohexane	158%/158%/Ok	None - All ND
	Vinyl acetate	28%/28%/Ok	J/UJ
2	1,1,1-Trichloroethane	Ok/132%/Ok	None - All ND
	Cyclohexane	122%/124%/Ok	None - All ND
	Freon 113	146%/146%/Ok	None - All ND
	Methylcyclohexane	160%/152%/Ok	None - All ND
	Toluene	Ok/122%/Ok	None - All ND
	Vinyl acetate	26%/22%/Ok	J/UJ

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109207	Tetrachloroethylene	162%	None	All ND
	Vinyl acetate	166%	None	All ND
BKS109223	Vinyl acetate	36%	J/UJ	7-9
BKS109229	Tetrachloroethylene	182%	None	All ND
	Vinyl acetate	24%	None	Already qualified due to CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - EDS sample ID #7 exhibited a high concentration of cis-1,2-dichloroethene and was flagged (E) by the laboratory. The sample was reanalyzed at a 25X dilution. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

EDS sample ID # 9 exhibited high concentrations of target compounds and was flagged (E) by the laboratory. The laboratory diluted and reanalyzed this sample. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-001-1/9
Sample Volume :	5	Lab File ID :	A63033.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-001-1/9
Sample Volume :	5	Lab File ID :	A63033.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.8	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-MW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-001-1/9
Sample Volume :	5	Lab File ID :	A63033.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ MSL
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-010-1/9
Sample Volume :	5	Lab File ID :	A63034.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-010-1/9
Sample Volume :	5	Lab File ID :	A63034.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

gw 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-010-1/9
Sample Volume :	5	Lab File ID :	A63034.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ MSL
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

lw
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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-019-1/3
Sample Volume :	5	Lab File ID :	A63035.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-019-1/3
Sample Volume :	5	Lab File ID :	A63035.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-019-1/3
Sample Volume :	5	Lab File ID :	A63035.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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FORM 1
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4

SAMPLE NO
OU1-MW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-022-1/3
Sample Volume :	5	Lab File ID :	A63036.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-022-1/3
Sample Volume :	5	Lab File ID :	A63036.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-022-1/3
Sample Volume :	5	Lab File ID :	A63036.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

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5

SAMPLE NO
OU1-MW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-025-1/3
Sample Volume :	5	Lab File ID :	A63037.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

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SAMPLE NO
OU1-MW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-025-1/3
Sample Volume :	5	Lab File ID :	A63037.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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SAMPLE NO
OU1-MW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-025-1/3
Sample Volume :	5	Lab File ID :	A63037.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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6

SAMPLE NO
OU1-MW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-028-1/3
Sample Volume :	5	Lab File ID :	A63038.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-028-1/3
Sample Volume :	5	Lab File ID :	A63038.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-028-1/3
Sample Volume :	5	Lab File ID :	A63038.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-031-1/3
Sample Volume :	5	Lab File ID :	A63039.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	2.4	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	130	
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-031-1/3
Sample Volume :	5	Lab File ID :	A63039.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	29	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.7	
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	2.6	
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	14	
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.1	
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	2.2	
79-01-6	Trichloroethene	170	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-031-1/3
Sample Volume :	5	Lab File ID :	A63039.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ BSL
75-01-4	Vinyl Chloride	190	
156-59-2	cis-1,2-Dichloroethene	870 ~~1600~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	0.93	J
98-06-6	tert-Butylbenzene	2.2	
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	7.6	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX12-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-032-2/3
Sample Volume :	.2	Lab File ID :	A63051.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	25	U
71-55-6	1,1,1-Trichloroethane	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
75-34-3	1,1-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	25	U
563-58-6	1,1-Dichloropropene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
96-18-4	1,2,3-Trichloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
96-12-8	1,2-Dibromo-3-Chloropropane	50	U
95-50-1	1,2-Dichlorobenzene	25	U
107-06-2	1,2-Dichloroethane	25	U
78-87-5	1,2-Dichloropropane	25	U
108-67-8	1,3,5-trimethylbenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
142-28-9	1,3-Dichloropropane	25	U
106-46-7	1,4-Dichlorobenzene	25	U
594-20-7	2,2-Dichloropropane	25	U
78-93-3	2-Butanone	130	U
95-49-8	2-Chlorotoluene	25	U
591-78-6	2-Hexanone	130	U
106-43-4	4-Chlorotoluene	25	U
99-87-6	4-Isopropyltoluene	25	U
108-10-1	4-Methyl-2-Pentanone	130	U
67-64-1	Acetone	130	U
71-43-2	Benzene	25	U
108-86-1	Bromobenzene	25	U

DL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX12-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-032-2/3
Sample Volume :	.2	Lab File ID :	A63051.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	25	U
75-27-4	Bromodichloromethane	25	U
75-25-2	Bromoform	25	U
74-83-9	Bromomethane	25	U
75-15-0	Carbon Disulfide	25	U
56-23-5	Carbon Tetrachloride	25	U
108-90-7	Chlorobenzene	25	U
75-00-3	Chloroethane	25	U
67-66-3	Chloroform	25	U
74-87-3	Chloromethane	25	U
110-82-7	Cyclohexane	25	U
124-48-1	Dibromochloromethane	25	U
74-95-3	Dibromomethane	25	U
75-71-8	Dichlorodifluoromethane	25	U
100-41-4	Ethylbenzene	25	U
106-93-4	Ethylene DiBromide	25	U
76-13-1	Freon 113	25	U
87-68-3	Hexachlorobutadiene	25	U
98-82-8	Isopropylbenzene	25	U
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-09-2	Methylene Chloride	25	U
91-20-3	Naphthalene	25	U
135-98-8	Sec-Butylbenzene	25	U
100-42-5	Styrene	25	U
127-18-4	Tetrachloroethylene	25	U
108-88-3	Toluene	25	U
79-01-6	Trichloroethene	25	U
75-69-4	Trichlorofluoromethane	25	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX12-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-032-2/3
Sample Volume :	.2	Lab File ID :	A63051.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	25	U
75-01-4	Vinyl Chloride	25	U
156-59-2	cis-1,2-Dichloroethene	870	
10061-01-5	cis-1,3-Dichloropropene	25	U
136777-61-2	m,p-Xylene	25	U
104-51-8	n-Butylbenzene	25	U
103-65-1	n-Propylbenzene	25	U
95-47-6	o-Xylene	25	U
98-06-6	tert-Butylbenzene	25	U
1634-04-4	tert-butyl methyl ether	25	U
156-60-5	trans-1,2-dichloroethene	25	U
10061-02-6	trans-1,3-dichloropropene	25	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-034-1/3
Sample Volume :	5	Lab File ID :	A63050.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-034-1/3
Sample Volume :	5	Lab File ID :	A63050.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	3.5	
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	14	
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-N2GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-034-1/3
Sample Volume :	5	Lab File ID :	A63050.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ BSL
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GW
6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-037-1/3
Sample Volume :	5	Lab File ID :	A63049.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	7.4	
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	5.6	
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	39	
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	12	
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	45	
108-86-1	Bromobenzene	1.0	U

lw
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-037-1/3
Sample Volume :	5	Lab File ID :	A63049.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	500 ~~4000~~	~~E~~	R DL
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	50		
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	73		
106-93-4	Ethylene DiBromide	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	72		
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	55		
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	260 ~~430~~	~~E~~	R DL
135-98-8	Sec-Butylbenzene	28		
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	WJ CCH
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	0.95	J	
75-69-4	Trichlorofluoromethane	1.0	U	

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-037-1/3
Sample Volume :	5	Lab File ID :	A63049.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ BSL
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.8	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	18	
103-65-1	n-Propylbenzene	110	
95-47-6	o-Xylene	0.60	J
98-06-6	tert-Butylbenzene	7.6	
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	0.68	J
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

GDL

SAMPLE NO
OU1-N2GW36-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-038-2/3
Sample Volume :	.2	Lab File ID :	A63068.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	rtx_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use 8mg.Nal

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	25	U
71-55-6	1,1,1-Trichloroethane	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
75-34-3	1,1-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	25	U
563-58-6	1,1-Dichloropropene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
96-18-4	1,2,3-Trichloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
96-12-8	1,2-Dibromo-3-Chloropropane	50	U
95-50-1	1,2-Dichlorobenzene	25	U
107-06-2	1,2-Dichloroethane	25	U
78-87-5	1,2-Dichloropropane	25	U
108-67-8	1,3,5-trimethylbenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
142-28-9	1,3-Dichloropropane	25	U
106-46-7	1,4-Dichlorobenzene	25	U
594-20-7	2,2-Dichloropropane	25	U
78-93-3	2-Butanone	130	U
95-49-8	2-Chlorotoluene	25	U
591-78-6	2-Hexanone	130	U
106-43-4	4-Chlorotoluene	25	U
99-87-6	4-Isopropyltoluene	25	U
108-10-1	4-Methyl-2-Pentanone	130	U
67-64-1	Acetone	130	U
71-43-2	Benzene	25	U
108-86-1	Bromobenzene	25	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-N2GW36-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-038-2/3
Sample Volume :	.2	Lab File ID :	A63068.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	rtx_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	25	U
75-27-4	Bromodichloromethane	25	U
75-25-2	Bromoform	25	U
74-83-9	Bromomethane	25	U
75-15-0	Carbon Disulfide	25	U
56-23-5	Carbon Tetrachloride	25	U
108-90-7	Chlorobenzene	500	
75-00-3	Chloroethane	25	U
67-66-3	Chloroform	25	U
74-87-3	Chloromethane	25	U
110-82-7	Cyclohexane	25	U
124-48-1	Dibromochloromethane	25	U
74-95-3	Dibromomethane	25	U
75-71-8	Dichlorodifluoromethane	25	U
100-41-4	Ethylbenzene	25	U
106-93-4	Ethylene DiBromide	25	U
76-13-1	Freon 113	25	U
87-68-3	Hexachlorobutadiene	25	U
98-82-8	Isopropylbenzene	25	U
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-09-2	Methylene Chloride	25	U
91-20-3	Naphthalene	260	
135-98-8	Sec-Butylbenzene	25	U
100-42-5	Styrene	25	U
127-18-4	Tetrachloroethylene	25	~~U~~ UJ CCH
108-88-3	Toluene	25	U
79-01-6	Trichloroethene	25	U
75-69-4	Trichlorofluoromethane	25	U

DL

CLW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9DL

SAMPLE NO
OU1-N2GW36-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-038-2/3
Sample Volume :	.2	Lab File ID :	A63068.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/11/2009
GC Column :	rtx_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	25	~~U~~
75-01-4	Vinyl Chloride	25	U
156-59-2	cis-1,2-Dichloroethene	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
136777-61-2	m,p-Xylene	25	U
104-51-8	n-Butylbenzene	25	U
103-65-1	n-Propylbenzene	25	U
95-47-6	o-Xylene	25	U
98-06-6	tert-Butylbenzene	25	U
1634-04-4	tert-butyl methyl ether	25	U
156-60-5	trans-1,2-dichloroethene	25	U
10061-02-6	trans-1,3-dichloropropene	25	U

UJ CCH

DL

Rev 5/12/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903233

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-MW40-0309	903233-001	Water
1MS*	OU1-MW40-0309MS	903233-001MS	Water
2	OU1-MW41-0309	903233-002	Water
2MS*	OU1-MW41-0309MS	903233-002MS	Water
3	OU1-MW42-0309	903233-003	Water
4	OU1-MW43-0309	903233-004	Water
5	OU1-MW44-0309	903233-005	Water
6	OU1-MW45-0309	903233-006	Water
7	OU1-51EX12-0309	903233-007	Water
8	OU1-N2GW25-0309	903233-008	Water
9	OU1-N2GW36-0309	903233-009	Water

** MS - Nitrate, Nitrite, Chloride, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-9
OU1-FB031009	None -ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
1	Nitrite	112%	None	All ND
2	Nitrite	124%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW40-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-001-092-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.3	
7440-44-0	Total Organic Carbon, Replicate 2	1.2	
7440-44-0	Total Organic Carbon, Replicate 3	1.2	
7440-44-0	Total Organic Carbon, Replicate 4	1.2	
7440-44-0	Total Organic Carbon, Average	1.2	

MW 5/12/09

2

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW41-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-002-095-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.7	
7440-44-0	Total Organic Carbon, Replicate 2	5.4	
7440-44-0	Total Organic Carbon, Replicate 3	5.3	
7440-44-0	Total Organic Carbon, Replicate 4	5.4	
7440-44-0	Total Organic Carbon, Average	5.4	

KW 5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW42-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-003-098-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	5
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	59.2	
7440-44-0	Total Organic Carbon, Replicate 2	58.3	
7440-44-0	Total Organic Carbon, Replicate 3	57.9	
7440-44-0	Total Organic Carbon, Replicate 4	57.7	
7440-44-0	Total Organic Carbon, Average	58.3	

MW
5/12/09

4

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW43-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-004-099-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	7.2	
7440-44-0	Total Organic Carbon, Replicate 2	7.2	
7440-44-0	Total Organic Carbon, Replicate 3	7.2	
7440-44-0	Total Organic Carbon, Replicate 4	7.1	
7440-44-0	Total Organic Carbon, Average	7.2	

FORM I SW9060

fw
5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW44-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-005-100-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.4	
7440-44-0	Total Organic Carbon, Replicate 2	1.4	
7440-44-0	Total Organic Carbon, Replicate 3	1.4	
7440-44-0	Total Organic Carbon, Replicate 4	1.3	
7440-44-0	Total Organic Carbon, Average	1.4	

MW 5/12/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW45-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-006-101-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.9	
7440-44-0	Total Organic Carbon, Replicate 2	6.0	
7440-44-0	Total Organic Carbon, Replicate 3	6.0	
7440-44-0	Total Organic Carbon, Replicate 4	6.0	
7440-44-0	Total Organic Carbon, Average	6.0	

MW 5/12/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX12-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-007-102-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.4	
7440-44-0	Total Organic Carbon, Replicate 2	6.4	
7440-44-0	Total Organic Carbon, Replicate 3	6.4	
7440-44-0	Total Organic Carbon, Replicate 4	6.3	
7440-44-0	Total Organic Carbon, Average	6.4	

RLW
5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW25-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-008-103-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.1	
7440-44-0	Total Organic Carbon, Replicate 3	2.1	
7440-44-0	Total Organic Carbon, Replicate 4	2.0	
7440-44-0	Total Organic Carbon, Average	2.1	

MW 5/12/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-N2GW36-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903233
Case No.:		SDG NO.:	903233
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903233-009-104-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	6.4	
7440-44-0	Total Organic Carbon, Replicate 2	6.6	
7440-44-0	Total Organic Carbon, Replicate 3	6.7	
7440-44-0	Total Organic Carbon, Replicate 4	6.7	
7440-44-0	Total Organic Carbon, Average	6.6	

KW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-040-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.4	u BL
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-043-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.6	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-046-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-046-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/14/2009
Injection Volume :	µ L	Dilution Factor :	10
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	180	

u BL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-047-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

Lw 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-MW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-048-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	14	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

JW 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-049-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

U BL

NW 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-050-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	14	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-051-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	12	
14797-55-8	Nitrate	0.17	
7727-37-9	Nitrite	0.10	U

U BL

Mew 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-052-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

u BL

RW
6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW40-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-001-053-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LEW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-MW41-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-002-056-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-MW42-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-003-059-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	10	

MW
8/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-MW43-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-004-060-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

KW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-MW44-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-005-061-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-MW45-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-006-062-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX12-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-007-063-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-N2GW25-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-008-064-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-N2GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903233
Case No. :		SDG NO :	903233
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903233-009-065-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

Mew 5/12/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903234

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-14GW49-0309	903234-001	Water
1MS	OU1-14GW49-0309MS	903234-001MS	Water
1MSD	OU1-14GW49-0309MSD	903234-001MSD	Water
2	OU1-16GW08-0309	903234-002	Water
2DL	OU1-16GW08-0309DL	903234-002DL	Water
3	OU1-16GW08P-0309	903234-003	Water
3DL	OU1-16GW08P-0309DL	903234-003DL	Water
4	OU1-16GW36-0309	903234-004	Water
4DL	OU1-16GW36-0309DL	903234-004DL	Water
5	OU1-16GW37-0309	903234-005	Water
5DL	OU1-16GW37-0309DL	903234-005DL	Water
6	OU1-42GW15-0309	903234-006	Water
6DL	OU1-42GW15-0309DL	903234-006DL	Water
7	OU1-51EX18-0309	903234-007	Water
7DL	OU1-51EX18-0309DL	903234-007DL	Water
8	OU1-15EX19-0309	903234-008	Water
8DL	OU1-15EX19-0309DL	903234-008DL	Water
9	OU1-MW58-0309	903234-009	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	Methane	5.4	27.0	U	2DL, 3DL, 4DL,5DL, 6DL, 7DL, 8DL, 9
OU1-FB031009	None -ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-16GW08-0309 ug/L	OU1-16GW08P-0309 ug/L	RPD	Qualifier
Methane	88	130	39%	None

Compound Quantitation - Several samples exhibited methane which exceeded the linear range of the instrument and were flagged (E) by the laboratory. The samples were diluted and reanalyzed for methane. However, the associated equipment blank sample, OU1-EB031009, exhibited methane contamination at 5.4 ug/L which affected the dilution results. The original methane results have been qualified as estimated (J) due to linear range exceedence and should be used for reporting.

Several Form Is for dilution samples exhibited incorrect sample IDs. The reviewer amended the Form Is to read the correct IDs.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-001-046-1/2
Sample Volume :	10	Lab File ID :	G262837.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-048-1/2
Sample Volume :	10	Lab File ID :	G263014.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3.3	U
74-82-8	Methane	88	~~E~~

JLR

MW 5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-16GW08-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-049-2/2DL
Sample Volume :	2	Lab File ID :	G263094.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	21	

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LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW08P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-050-1/2
Sample Volume :	10	Lab File ID :	G263015.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	130	~~E~~ J LR

lew 5/12/07

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-051-2/2DL
Sample Volume :	2	Lab File ID :	G263097.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	24	

U BL

R DL

MW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-052-1/2
Sample Volume :	10	Lab File ID :	G263016.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	3300	~~E~~ J LR

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-053-2/2DL
Sample Volume :	.05	Lab File ID :	G263098.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	200
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use ORIGINAL

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1200	U
74-85-1	Ethene	1200	U
74-82-8	Methane	720	

U BL

R DL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-054-1/2
Sample Volume :	10	Lab File ID :	G263017.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	980	~~E~~

JLR

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-055-2/2DL
Sample Volume :	.05	Lab File ID :	G263099.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	200
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1200	U
74-85-1	Ethene	1200	U
74-82-8	Methane	2000	

U BL

R DL

LW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-056-1/2
Sample Volume :	10	Lab File ID :	G263018.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	460	~~E~~ J LR

5/12/09

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-057-2/2DL
Sample Volume :	.05	Lab File ID :	G263100.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	200
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	1200	U
74-85-1	Ethene	1200	U
74-82-8	Methane	910	

u BL

R DL

lw 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-058-1/2
Sample Volume :	10	Lab File ID :	G263019.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1200	~~E~~

JLR

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-059-2/2DL
Sample Volume :	.1	Lab File ID :	G263101.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	470	

U BL

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GPL Laboratories

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ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-51EX19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-060-1/2
Sample Volume :	10	Lab File ID :	G262838.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	10	
74-85-1	Ethene	5.8	U
74-82-8	Methane	1600	~~E~~ J LR

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-061-2/2DL
Sample Volume :	.1	Lab File ID :	G263102.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/14/2009
GC Column :	ID. RTX_VC	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	520	

U BL

R DL

DW 6/4/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-009-062-1/2
Sample Volume :	10	Lab File ID :	G263020.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	ID. RTX_VC	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	4.8	

u BL

lw 6/4/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903234

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-14GW49-0309	903234-001	Water
2	OU1-16GW08-0309	903234-002	Water
3	OU1-16GW08P-0309	903234-003	Water
4	OU1-16GW36-0309	903234-004	Water
5	OU1-16GW37-0309	903234-005	Water
5DL	OU1-16GW37-0309DL	903234-005DL	Water
6	OU1-42GW15-0309	903234-006	Water
6DL	OU1-42GW15-0309DL	903234-006DL	Water
7	OU1-51EX18-0309	903234-007	Water
7DL	OU1-51EX18-0309DL	903234-007DL	Water
8	OU1-15EX19-0309	903234-008	Water
8DL	OU1-15EX19-0309DL	903234-008DL	Water
9	OU1-MW58-0309	903234-009	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/03/09	Vinyl acetate	60.2%	J/UJ	1, 8

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
04/09/09	Acetone	43.5%	J	7
04/09/09	Tetrachloroethylene	58.7%	J/UJ	2-7, 8DL, 9
04/10/09	Vinyl acetate	65.4%	J/UJ	5DL, 6DL, 7DL

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109199	Tetrachloroethylene	162%	None	Already qualified due to CCAL
	Vinyl acetate	166%	None	All ND
BKS109201	Vinyl acetate	36%	None	Already qualified due to CCAL

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB031009	None - ND	-	-	-	-
OU1-FB031009	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-16GW08-0309 ug/L	OU1-16GW08P-0309 ug/L	RPD	Qualifier
Methylene chloride	2.6	2.3	12%	None
Tetrachloroethylene	2.8	3.4	19%	None
Trichloroethene	1.4	2.1	40%	None
cis-1,2-Dichloroethene	1.3	2.3	56%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The laboratory diluted and reanalyzed these samples. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-001-001-1/3
Sample Volume :	5	Lab File ID :	A62868.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-001-001-1/3
Sample Volume :	5	Lab File ID :	A62868.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.0	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-14GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-001-001-1/3
Sample Volume :	5	Lab File ID :	A62868.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

hw
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-004-1/3
Sample Volume :	5	Lab File ID :	A63024.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-004-1/3
Sample Volume :	5	Lab File ID :	A63024.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	2.8	J CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.4	
75-69-4	Trichlorofluoromethane	1.0	U

LW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-004-1/3
Sample Volume :	5	Lab File ID :	A63024.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/09/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.3	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW08P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-007-1/3
Sample Volume :	5	Lab File ID :	A63025.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW08P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-007-1/3
Sample Volume :	5	Lab File ID :	A63025.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.3	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	3.4	J CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	2.1	
75-69-4	Trichlorofluoromethane	1.0	U

NW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW08P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-007-1/3
Sample Volume :	5	Lab File ID :	A63025.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.3	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-070-1/2
Sample Volume :	5	Lab File ID :	A63026.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.2	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

LEW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-070-1/2
Sample Volume :	5	Lab File ID :	A63026.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.5	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.4	
75-69-4	Trichlorofluoromethane	1.0	U

US CEH

NW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-070-1/2
Sample Volume :	5	Lab File ID :	A63026.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	2.4	
156-59-2	cis-1,2-Dichloroethene	160	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	33	
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-013-1/3
Sample Volume :	5	Lab File ID :	A63027.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	5.8	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.1	
108-86-1	Bromobenzene	1.0	U

DW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-013-1/3
Sample Volume :	5	Lab File ID :	A63027.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	2.8	
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.4	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	3.3	
75-69-4	Trichlorofluoromethane	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-013-1/3
Sample Volume :	5	Lab File ID :	A63027.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	30	
156-59-2	cis-1,2-Dichloroethene	730 ~~1300~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	82	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-014-2/3
Sample Volume :	.2	Lab File ID :	A63046.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	25	U
71-55-6	1,1,1-Trichloroethane	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
75-34-3	1,1-Dichloroethane	25	U
75-35-4	1,1-Dichloroethene	25	U
563-58-6	1,1-Dichloropropene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
96-18-4	1,2,3-Trichloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U
95-63-6	1,2,4-Trimethylbenzene	25	U
96-12-8	1,2-Dibromo-3-Chloropropane	50	U
95-50-1	1,2-Dichlorobenzene	25	U
107-06-2	1,2-Dichloroethane	25	U
78-87-5	1,2-Dichloropropane	25	U
108-67-8	1,3,5-trimethylbenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
142-28-9	1,3-Dichloropropane	25	U
106-46-7	1,4-Dichlorobenzene	25	U
594-20-7	2,2-Dichloropropane	25	U
78-93-3	2-Butanone	130	U
95-49-8	2-Chlorotoluene	25	U
591-78-6	2-Hexanone	130	U
106-43-4	4-Chlorotoluene	25	U
99-87-6	4-Isopropyltoluene	25	U
108-10-1	4-Methyl-2-Pentanone	130	U
67-64-1	Acetone	130	U
71-43-2	Benzene	25	U
108-86-1	Bromobenzene	25	U

R DL

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-014-2/3
Sample Volume :	.2	Lab File ID :	A63046.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	25	U
75-27-4	Bromodichloromethane	25	U
75-25-2	Bromoform	25	U
74-83-9	Bromomethane	25	U
75-15-0	Carbon Disulfide	25	U
56-23-5	Carbon Tetrachloride	25	U
108-90-7	Chlorobenzene	25	U
75-00-3	Chloroethane	25	U
67-66-3	Chloroform	25	U
74-87-3	Chloromethane	25	U
110-82-7	Cyclohexane	25	U
124-48-1	Dibromochloromethane	25	U
74-95-3	Dibromomethane	25	U
75-71-8	Dichlorodifluoromethane	25	U
100-41-4	Ethylbenzene	25	U
106-93-4	Ethylene DiBromide	25	U
76-13-1	Freon 113	25	U
87-68-3	Hexachlorobutadiene	25	U
98-82-8	Isopropylbenzene	25	U
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-09-2	Methylene Chloride	25	U
91-20-3	Naphthalene	25	U
135-98-8	Sec-Butylbenzene	25	U
100-42-5	Styrene	25	U
127-18-4	Tetrachloroethylene	25	U
108-88-3	Toluene	25	U
79-01-6	Trichloroethene	25	U
75-69-4	Trichlorofluoromethane	25	U

R DL

lew 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-16GW37-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-014-2/3
Sample Volume :	.2	Lab File ID :	A63046.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	25
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	25	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	25	U
156-59-2	cis-1,2-Dichloroethene	730	
10061-01-5	cis-1,3-Dichloropropene	25	U
136777-61-2	m,p-Xylene	25	U
104-51-8	n-Butylbenzene	25	U
103-65-1	n-Propylbenzene	25	U
95-47-6	o-Xylene	25	U
98-06-6	tert-Butylbenzene	25	U
1634-04-4	tert-butyl methyl ether	25	U
156-60-5	trans-1,2-dichloroethene	25	U
10061-02-6	trans-1,3-dichloropropene	25	U

RPD

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-016-1/3
Sample Volume :	5	Lab File ID :	A63028.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	7.8	
75-35-4	1,1-Dichloroethene	7.1	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	13	
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	0.81	J
108-86-1	Bromobenzene	1.0	U

LW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-016-1/3
Sample Volume :	5	Lab File ID :	A63028.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.1	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	81	
75-69-4	Trichlorofluoromethane	1.0	U

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LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-016-1/3
Sample Volume :	5	Lab File ID :	A63028.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	4.7	
156-59-2	cis-1,2-Dichloroethene	410 ~~590~~	~~E~~ RDL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	27	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-42GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-017-2/3
Sample Volume :	.5	Lab File ID :	A63047.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use - original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-42GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-017-2/3
Sample Volume :	.5	Lab File ID :	A63047.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	61	
75-69-4	Trichlorofluoromethane	10	U

RE DL

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-42GW15-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-017-2/3
Sample Volume :	.5	Lab File ID :	A63047.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~
75-01-4	Vinyl Chloride	~~10~~	U
156-59-2	cis-1,2-Dichloroethene	410	
10061-01-5	cis-1,3-Dichloropropene	~~10~~	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	20	
10061-02-6	trans-1,3-dichloropropene	10	U

UJ CCH

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-019-1/3
Sample Volume :	5	Lab File ID :	A63029.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	4.0	~~U~~ J CCH
71-43-2	Benzene	1.1	
108-86-1	Bromobenzene	1.0	U

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-019-1/3
Sample Volume :	5	Lab File ID :	A63029.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	15	
75-69-4	Trichlorofluoromethane	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-019-1/3
Sample Volume :	5	Lab File ID :	A63029.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	43	
156-59-2	cis-1,2-Dichloroethene	190 ~~250~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	30	
10061-02-6	trans-1,3-dichloropropene	1.0	U

GW
5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-020-2/3
Sample Volume :	.5	Lab File ID :	A63048.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	50	U
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

R 7DL

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

70L

SAMPLE NO
OU1-51EX18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-020-2/3
Sample Volume :	.5	Lab File ID :	A63048.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use Original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

R DL

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	14	
75-69-4	Trichlorofluoromethane	10	U

AW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-51EX18-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-020-2/3
Sample Volume :	.5	Lab File ID :	A63048.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	34	
156-59-2	cis-1,2-Dichloroethene	190	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	22	
10061-02-6	trans-1,3-dichloropropene	10	U

RDL

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-51EX19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-022-1/3
Sample Volume :	5	Lab File ID :	A62869.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	33	
71-43-2	Benzene	1.7	
108-86-1	Bromobenzene	1.0	U

AW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-51EX19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-022-1/3
Sample Volume :	5	Lab File ID :	A62869.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	1.0	U
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	U
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	70	
75-69-4	Trichlorofluoromethane	1.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-51EX19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-022-1/3
Sample Volume :	5	Lab File ID :	A62869.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/03/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	47	
156-59-2	cis-1,2-Dichloroethene	200 ~~260~~	~~E~~ R DL
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	39	
10061-02-6	trans-1,3-dichloropropene	1.0	U

AW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-023-2/3
Sample Volume :	.5	Lab File ID :	A63030.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
563-58-6	1,1-Dichloropropene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
96-18-4	1,2,3-Trichloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
95-63-6	1,2,4-Trimethylbenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
108-67-8	1,3,5-trimethylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
142-28-9	1,3-Dichloropropane	10	U
106-46-7	1,4-Dichlorobenzene	10	U
594-20-7	2,2-Dichloropropane	10	U
78-93-3	2-Butanone	50	U
95-49-8	2-Chlorotoluene	10	U
591-78-6	2-Hexanone	50	U
106-43-4	4-Chlorotoluene	10	U
99-87-6	4-Isopropyltoluene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U
67-64-1	Acetone	30	J
71-43-2	Benzene	10	U
108-86-1	Bromobenzene	10	U

lw 5/1/2009

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-023-2/3
Sample Volume :	.5	Lab File ID :	A63030.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
74-95-3	Dibromomethane	10	U
75-71-8	Dichlorodifluoromethane	10	U
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene DiBromide	10	U
76-13-1	Freon 113	10	U
87-68-3	Hexachlorobutadiene	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	10	U
91-20-3	Naphthalene	10	U
135-98-8	Sec-Butylbenzene	10	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	53	
75-69-4	Trichlorofluoromethane	10	U

DL

UJCCH

LWO 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8DL

SAMPLE NO
OU1-51EX19-0309DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-023-2/3
Sample Volume :	.5	Lab File ID :	A63030.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	U
75-01-4	Vinyl Chloride	41	
156-59-2	cis-1,2-Dichloroethene	200	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	31	
10061-02-6	trans-1,3-dichloropropene	10	U

RDL

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-009-025-1/3
Sample Volume :	5	Lab File ID :	A63031.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U
108-86-1	Bromobenzene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-009-025-1/3
Sample Volume :	5	Lab File ID :	A63031.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-97-5	Bromochloromethane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
108-90-7	Chlorobenzene	1.0	U
75-00-3	Chloroethane	1.0	U
67-66-3	Chloroform	1.0	U
74-87-3	Chloromethane	1.0	U
110-82-7	Cyclohexane	1.0	U
124-48-1	Dibromochloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
75-71-8	Dichlorodifluoromethane	1.0	U
100-41-4	Ethylbenzene	1.0	U
106-93-4	Ethylene DiBromide	1.0	U
76-13-1	Freon 113	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-20-9	Methyl Acetate	1.0	U
108-87-2	Methylcyclohexane	1.0	U
75-09-2	Methylene Chloride	2.6	
91-20-3	Naphthalene	1.0	U
135-98-8	Sec-Butylbenzene	1.0	U
100-42-5	Styrene	1.0	U
127-18-4	Tetrachloroethylene	1.0	~~U~~ UJ CCH
108-88-3	Toluene	1.0	U
79-01-6	Trichloroethene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-MW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-009-025-1/3
Sample Volume :	5	Lab File ID :	A63031.D
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/10/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 903234

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 2, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-14GW49-0309	903234-001	Water
2	OU1-16GW08-0309	903234-002	Water
2MS*	OU1-16GW08-0309MS	903234-002MS	Water
3	OU1-16GW08P-0309	903234-003	Water
4	OU1-16GW36-0309	903234-004	Water
5	OU1-16GW37-0309	903234-005	Water
6	OU1-42GW15-0309	903234-006	Water
7	OU1-51EX18-0309	903234-007	Water
8	OU1-51EX19-0309	903234-008	Water
9	OU1-MW58-0309	903234-009	Water

** MS - Nitrate, Nitrite, Chloride, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB031009	Chloride	3.9	19.5	U	1-9

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-FB031009	None - ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values except the following.

MS/MSD Sample ID	Compound	MS %R	Qualifier	Affected Samples
2	Chloride	87.5%	J/UJ	1-9
	Nitrite	130%	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-16GW08-0309 mg/L	OU1-16GW08P-0309 mg/L	RPD	Qualifier
TOC, Average	1.5	1.6	6%	None
Nitrate	0.35	0.21	50%	None

Compound Quantitation - No discrepancies were identified.

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW49-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-001-064-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.0	
7440-44-0	Total Organic Carbon, Replicate 2	3.8	
7440-44-0	Total Organic Carbon, Replicate 3	3.7	
7440-44-0	Total Organic Carbon, Replicate 4	3.6	
7440-44-0	Total Organic Carbon, Average	3.8	

FORM I SW9060

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW08-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-002-065-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/16/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW08P-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-003-066-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.6	
7440-44-0	Total Organic Carbon, Replicate 2	1.6	
7440-44-0	Total Organic Carbon, Replicate 3	1.6	
7440-44-0	Total Organic Carbon, Replicate 4	1.6	
7440-44-0	Total Organic Carbon, Average	1.6	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW36-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-004-067-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.3	
7440-44-0	Total Organic Carbon, Replicate 2	4.3	
7440-44-0	Total Organic Carbon, Replicate 3	4.3	
7440-44-0	Total Organic Carbon, Replicate 4	4.4	
7440-44-0	Total Organic Carbon, Average	4.3	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW37-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-005-068-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.7	
7440-44-0	Total Organic Carbon, Replicate 2	1.7	
7440-44-0	Total Organic Carbon, Replicate 3	1.7	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42GW15-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-006-069-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.0	
7440-44-0	Total Organic Carbon, Replicate 3	1.9	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.9	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX18-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-007-070-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	3.3	
7440-44-0	Total Organic Carbon, Replicate 2	3.3	
7440-44-0	Total Organic Carbon, Replicate 3	3.3	
7440-44-0	Total Organic Carbon, Replicate 4	3.3	
7440-44-0	Total Organic Carbon, Average	3.3	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-51EX19-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-008-071-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	8.8	
7440-44-0	Total Organic Carbon, Replicate 2	8.9	
7440-44-0	Total Organic Carbon, Replicate 3	8.3	
7440-44-0	Total Organic Carbon, Replicate 4	8.3	
7440-44-0	Total Organic Carbon, Average	8.4	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-MW58-0309

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	903234
Case No.:		SDG NO.:	903234
Matrix: (Soil/Water)	WATER	Lab Sample ID:	903234-009-072-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	3/31/2009
% Moisture:	ID.	Date Analyzed:	4/17/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.4	
7440-44-0	Total Organic Carbon, Replicate 2	4.3	
7440-44-0	Total Organic Carbon, Replicate 3	4.2	
7440-44-0	Total Organic Carbon, Replicate 4	4.3	
7440-44-0	Total Organic Carbon, Average	4.3	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-001-028-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	3.8	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-029-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	03/31/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.5	
14797-55-8	Nitrate	0.35	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW08P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-030-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.8	
14797-55-8	Nitrate	0.21	
7727-37-9	Nitrite	0.10	U

UJ BL MSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-031-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.5	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ BL MSL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW37-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-032-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	6.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ ~~BL~~ MSL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-033-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.5	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ BC MSL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-034-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ BK MSL

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-51EX19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-035-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

UJ ~~BL~~ MSL

LW 6/4/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-009-036-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	03/31/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	04/01/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW49-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-001-037-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-16GW08-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-002-038-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW08P-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-003-039-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

KW 5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW36-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-004-040-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-16GW37-0309

Lab Name :	GPL Laboratories	Client.':	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-005-041-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42GW15-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-006-042-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

Mew
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-51EX18-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-007-043-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW
5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-51EX19-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-008-044-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 5/12/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

9

SAMPLE NO
OU1-MW58-0309

Lab Name :	GPL Laboratories	Client. :	CH2M Hill Inc
Lab Code :	GPL	SAS NO. :	903234
Case No. :		SDG NO :	903234
Matrix : (Soil / Water)	WATER	Lab Sample ID :	903234-009-045-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	03/31/2009
% Moisture: not dec		Date Analyzed	04/02/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lee
5/12/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905040

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 18, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-42-GW22-0509	905040-001	Water
1DL	OU1-42-GW22-0509DL	905040-001DL	Water
2	OU1-42-GW23-0509	905040-002	Water
2DL	OU1-42-GW23-0509DL	905040-002DL	Water
3	OU1-42-GW20-0509	905040-003	Water
3MS	OU1-42-GW20-0509MS	905040-003MS	Water
3MSD	OU1-42-GW20-0509MSD	905040-003MSD	Water
3DL	OU1-42-GW20-0509DL	905040-003DL	Water
4	OU1-42-GW21-0509	905040-004	Water
4DL	OU1-42-GW21-0509DL	905040-004DL	Water
5	OU1-42-GW18-0509	905040-005	Water
5DL	OU1-42-GW18-0509DL	905040-005DL	Water
6	OU1-42-GW19-0509	905040-006	Water
6DL	OU1-42-GW19-0509DL	905040-006DL	Water
7	OU1-42-GW16-0509	905040-007	Water
7DL	OU1-42-GW16-0509DL	905040-007DL	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
3DL	Ethane	74%/Ok/36	J/UJ
	Ethene	72%/Ok/29%	J/UJ
	Methane	129%/Ok/Ok	J

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB02-050709	Methane	34	170	U	4, 4DL, 6DL, 7, 7DL
OU1-FB050709	Methane	13	65	U	See EB02

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited high concentrations of these compounds and were flagged (E) by the laboratory. The laboratory diluted and reanalyzed samples. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-039-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	17	
74-85-1	Ethene	12	
74-82-8	Methane	2400 840	E

uw
6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-42-GW22-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-040-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	2400	

exclude

MW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-42-GW23-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-041-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	940 ~~490~~	~~E~~

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-42-GW23-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-042-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use orig. Neil

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	310	U
74-85-1	Ethene	~~290~~	U
74-82-8	Methane	940	

exclude

lw 6/18/09

3

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW20-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-043-1/6
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	96.0 J ~~820~~	~~E~~

kw
6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-42-GW20-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-044-2/6
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	620	~~U~~	UJ MSL
74-85-1	Ethene	~~580~~	~~U~~	UJ MSL
74-82-8	Methane	960		J MSH

exclude

LW 6/18/09

4

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW21-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-031-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	87	~~E~~

u BL

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-42-GW21-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-032-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	62	U
74-85-1	Ethene	58	U
74-82-8	Methane	98	

u BL

exclude

LW
6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42-GW18-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-033-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	320 ~~310~~	~~E~~

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-42-GW18-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-034-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	130	U
74-85-1	Ethene	120	U
74-82-8	Methane	320	

exclude

RW
6/18/09

b

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW19-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-035-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	1300	~~E~~ J LR

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6DL

SAMPLE NO
OU1-42-GW19-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-036-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	100
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	620	U
74-85-1	Ethene	580	U
74-82-8	Methane	1700	

U BL

exclude

AW
6/18/09

7

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW16-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-037-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	73	~~E~~ U BL

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7DL

SAMPLE NO
OU1-42-GW16-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-038-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_ALUMINA BO ID. 0.53	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	31	U
74-85-1	Ethene	29	U
74-82-8	Methane	86	

u BL

exclude

lw 6/18/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905040

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 18, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-42-GW22-0509	905040-001	Water
1DL	OU1-42-GW22-0509DL	905040-001DL	Water
2	OU1-42-GW23-0509	905040-002	Water
2DL	OU1-42-GW23-0509DL	905040-002DL	Water
3	OU1-42-GW20-0509	905040-003	Water
3MS	OU1-42-GW20-0509MS	905040-003MS	Water
3MSD	OU1-42-GW20-0509MSD	905040-003MSD	Water
4	OU1-42-GW21-0509	905040-004	Water
5	OU1-42-GW18-0509	905040-005	Water
6	OU1-42-GW19-0509	905040-006	Water
7	OU1-42-GW16-0509	905040-007	Water
8	OU1-TB050509	905040-008	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/13/09	Bromomethane	52.3%	J/UJ	1-3
	Chloroethane	28.3%	J/UJ	1-3

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/13/09	Methyl acetate	41.2%	J/UJ	1-3
	Carbon tetrachloride	27.0%	J/UJ	1-3
	2-Butanone	36.5%	J/UJ	1-3
05/14/09	Chloromethane	44.4%	J/UJ	1DL, 2DL, 4-7
	Vinyl chloride	44.5%	J/UJ	1DL, 2DL, 4-7
	Bromomethane	68.5%	J/UJ	1DL, 2DL, 4-7
	Freon 113	27.0%	J/UJ	1DL, 2DL, 4-7
	Acetone	38.5%	J/UJ	1DL, 2DL, 4-7
	Cyclohexane	31.4%	J/UJ	1DL, 2DL, 4-7
	Methylcyclohexane	28.5%	J/UJ	1DL, 2DL, 4-7
	1,2-Dibromo-3-chloropropane	26.8%	J/UJ	1DL, 2DL, 4-7
05/15/09	Chloromethane	36.3%	J/UJ	8
	Vinyl chloride	35.4%	J/UJ	8
	Bromomethane	56.8%	J/UJ	8
	Freon 113	42.8%	J/UJ	8
	Cyclohexane	43.5%	J/UJ	8
	Carbon tetrachloride	35.6%	J/UJ	8
	Methylcyclohexane	39.1%	J/UJ	8
	Vinyl acetate	32.2%	J/UJ	8

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited the following deficiencies.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
3	1,1,1,2-Tetrachloroethane	134%/Ok/Ok	None - All ND
	1,1,1-Trichloroethane	142%/136%/Ok	None - All ND
	1,1,2-Tetrachloroethane	134%/134%/Ok	None - All ND
	1,2,3-Trichloropropane	134%/140%/Ok	None - All ND
	1,2-Dibromoethane	126%/124%/Ok	None - All ND
	1,2-Dichlorobenzene	124%/Ok/Ok	None - All ND
	1,3-Dichlorobenzene	132%/126%/Ok	None - All ND
	1,4-Dichlorobenzene	128%/Ok/Ok	None - All ND
	2-Butanone	Ok/170%/Ok	None - All ND
	2-Chlorotoluene	130%/Ok/Ok	None - All ND
	4-Methyl-2-pentanone	Ok/140%/Ok	None - All ND
	Bromobenzene	132%/128%/Ok	None - All ND
	Bromochloromethane	144%/134%/Ok	None - All ND
	Bromodichloromethane	122%/Ok/Ok	None - All ND
	Bromoform	132%/132%/Ok	None - All ND
	Carbon tetrachloride	160%/154%/Ok	None - All ND
	Chlorobenzene	122%/Ok/Ok	None - All ND
	Chloromethane	146%/138%/Ok	None - All ND
	Cyclohexane	162%/156%/Ok	None - All ND
	Dichlorodifluoromethane	174%/164%/Ok	None - All ND
	Freon 113	156%/148%/Ok	None - All ND
	Isopropylbenzene	130%/Ok/Ok	None - All ND
	Methyl acetate	138%/172%/Ok	None - All ND
	Methylcyclohexane	142%/136%/Ok	None - All ND

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
3	sec-Butylbenzene	132%/126%/Ok	None - All ND
	Toluene	122%/Ok/Ok	None - All ND
	cis-1,2-Dichloroethene	126%/Ok/Ok	J
	o-Xylene	122%/Ok/Ok	None - All ND
	tert-Butylbenzene	138%/132%/Ok	None - All ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109831	Chloromethane	144%	None	All ND
	Cyclohexane	126%	None	All ND
	Methyl acetate	142%	None	All ND
BKS109833	Chloroethane	58%	J/UJ	8
	Cyclohexane	136%	None	All ND
	Freon 113	134%	None	All ND
	Methyl acetate	124%	None	All ND
	Methylcyclohexane	132%	None	All ND
BKS109832	Benzene	76%	J/UJ	1DL, 2DL, 4-7
	Chloroethane	50%	J/UJ	1DL, 2DL, 4-7
	Cyclohexane	128%	None	All ND
	Methylcyclohexane	126%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	Methylene chloride	3.3	33	None	All ND
OU1-EB01-050709	Methylene chloride	1.5	15	None	All ND
OU1-TB050509	Methylene chloride	10	100	None	All ND

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - Several samples exhibited high concentrations of target compounds and were flagged (E) by the laboratory. The laboratory diluted and reanalyzed these samples. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-016-1/3
Sample Volume :	5	Lab File ID :	A63878.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	21	
75-35-4	1,1-Dichloroethene	20	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	4.2	
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ CCH
95-49-8	2-Chlorotoluene	1.0	U
591-78-6.	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	3.4	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-016-1/3
Sample Volume :	5	Lab File ID :	A63878.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	UJ CCH
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	21		
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-016-1/3
Sample Volume :	5	Lab File ID :	A63878.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	130	
156-59-2	cis-1,2-Dichloroethene	1200 ~~2000~~	~~E~~
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	20	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-42-GW22-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-017-2/3
Sample Volume :	.1	Lab File ID :	A63905.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

See original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

Exclude

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	50	U	
71-55-6	1,1,1-Trichloroethane	50	U	
79-34-5	1,1,2,2-Tetrachloroethane	50	U	
79-00-5	1,1,2-Trichloroethane	50	U	
75-34-3	1,1-Dichloroethane	50	U	
75-35-4	1,1-Dichloroethene	50	U	
563-58-6	1,1-Dichloropropene	50	U	
87-61-6	1,2,3-Trichlorobenzene	50	U	
96-18-4	1,2,3-Trichloropropane	50	U	
120-82-1	1,2,4-Trichlorobenzene	50	U	
95-63-6	1,2,4-Trimethylbenzene	50	U	
96-12-8	1,2-Dibromo-3-Chloropropane	100	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	50	U	
95-50-1	1,2-Dichlorobenzene	50	U	
107-06-2	1,2-Dichloroethane	50	U	
78-87-5	1,2-Dichloropropane	50	U	
108-67-8	1,3,5-trimethylbenzene	50	U	
541-73-1	1,3-Dichlorobenzene	50	U	
142-28-9	1,3-Dichloropropane	50	U	
106-46-7	1,4-Dichlorobenzene	50	U	
594-20-7	2,2-Dichloropropane	50	U	
78-93-3	2-Butanone	250	U	
95-49-8	2-Chlorotoluene	50	U	
591-78-6	2-Hexanone	250	U	
106-43-4	4-Chlorotoluene	50	U	
99-87-6	4-Isopropyltoluene	50	U	
108-10-1	4-Methyl-2-Pentanone	250	U	
67-64-1	Acetone	250	~~U~~	UJ CCH
71-43-2	Benzene	50	~~U~~	UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

IDL

SAMPLE NO
OU1-42-GW22-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-017-2/3
Sample Volume :	.1	Lab File ID :	A63905.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

See original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	50	U	
74-97-5	Bromochloromethane	50	U	
75-27-4	Bromodichloromethane	50	U	
75-25-2	Bromoform	50	U	
74-83-9	Bromomethane	50	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	50	U	
56-23-5	Carbon Tetrachloride	50	U	
108-90-7	Chlorobenzene	50	U	
75-00-3	Chloroethane	50	~~U~~	UJ BSL
67-66-3	Chloroform	50	U	
74-87-3	Chloromethane	50	~~U~~	UJ CCH
110-82-7	Cyclohexane	50	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	50	U	
74-95-3	Dibromomethane	50	U	
75-71-8	Dichlorodifluoromethane	50	U	
100-41-4	Ethylbenzene	50	U	
76-13-1	Freon 113	50	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	50	U	
98-82-8	Isopropylbenzene	50	U	
79-20-9	Methyl Acetate	50	U	
108-87-2	Methylcyclohexane	50	~~U~~	UJ CCH
75-09-2	Methylene Chloride	50	U	
91-20-3	Naphthalene	50	U	
135-98-8	Sec-Butylbenzene	50	U	
100-42-5	Styrene	50	U	
127-18-4	Tetrachloroethylene	50	U	
108-88-3	Toluene	50	U	
79-01-6	Trichloroethene	50	U	
75-69-4	Trichlorofluoromethane	50	U	

Exclude

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1DL

SAMPLE NO
OU1-42-GW22-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-017-2/3
Sample Volume :	.1	Lab File ID :	A63905.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	50
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

See original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	50	U
75-01-4	Vinyl Chloride	87	J CCH
156-59-2	cis-1,2-Dichloroethene	1200	
10061-01-5	cis-1,3-Dichloropropene	50	U
136777-61-2	m,p-Xylene	50	U
104-51-8	n-Butylbenzene	50	U
103-65-1	n-Propylbenzene	50	U
95-47-6	o-Xylene	50	U
98-06-6	tert-Butylbenzene	50	U
1634-04-4	tert-butyl methyl ether	50	U
156-60-5	trans-1,2-dichloroethene	50	U
10061-02-6	trans-1,3-dichloropropene	50	U

Exclude

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-42-GW23-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-019-1/3
Sample Volume :	5	Lab File ID :	A63880.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	5.8	
75-35-4	1,1-Dichloroethene	4.0	
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	5.4	
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ CCH
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.6	
71-43-2	Benzene	1.4	

QW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-42-GW23-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-019-1/3
Sample Volume :	5	Lab File ID :	A63880.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	UJ CCH
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	78		
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-42-GW23-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-019-1/3
Sample Volume :	5	Lab File ID :	A63880.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	16	
156-59-2	cis-1,2-Dichloroethene	180 ~~670~~	~~E~~
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	4.0	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-42-GW23-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-020-2/3
Sample Volume :	.5	Lab File ID :	A63907.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

See original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

exclude

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
75-34-3	1,1-Dichloroethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
563-58-6	1,1-Dichloropropene	10	U	
87-61-6	1,2,3-Trichlorobenzene	10	U	
96-18-4	1,2,3-Trichloropropane	10	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	
95-63-6	1,2,4-Trimethylbenzene	10	U	
96-12-8	1,2-Dibromo-3-Chloropropane	20	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
108-67-8	1,3,5-trimethylbenzene	10	U	
541-73-1	1,3-Dichlorobenzene	10	U	
142-28-9	1,3-Dichloropropane	10	U	
106-46-7	1,4-Dichlorobenzene	10	U	
594-20-7	2,2-Dichloropropane	10	U	
78-93-3	2-Butanone	50	U	
95-49-8	2-Chlorotoluene	10	U	
591-78-6	2-Hexanone	50	U	
106-43-4	4-Chlorotoluene	10	U	
99-87-6	4-Isopropyltoluene	10	U	
108-10-1	4-Methyl-2-Pentanone	50	U	
67-64-1	Acetone	50	~~U~~	UJ CCH
71-43-2	Benzene	10	~~U~~	UJ BSL

lw 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-42-GW23-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-020-2/3
Sample Volume :	.5	Lab File ID :	A63907.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

See original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	10	U	
74-97-5	Bromochloromethane	10	U	
75-27-4	Bromodichloromethane	10	U	
75-25-2	Bromoform	10	U	
74-83-9	Bromomethane	10	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	10	U	
56-23-5	Carbon Tetrachloride	10	U	
108-90-7	Chlorobenzene	10	U	
75-00-3	Chloroethane	10	~~U~~	UJ BSL
67-66-3	Chloroform	10	U	
74-87-3	Chloromethane	10	~~U~~	UJ CCH
110-82-7	Cyclohexane	10	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	10	U	
74-95-3	Dibromomethane	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
100-41-4	Ethylbenzene	10	U	
76-13-1	Freon 113	10	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	10	U	
98-82-8	Isopropylbenzene	10	U	
79-20-9	Methyl Acetate	10	U	
108-87-2	Methylcyclohexane	10	~~U~~	UJ CCH
75-09-2	Methylene Chloride	10	U	
91-20-3	Naphthalene	10	U	
135-98-8	Sec-Butylbenzene	10	U	
100-42-5	Styrene	10	U	
127-18-4	Tetrachloroethylene	10	U	
108-88-3	Toluene	10	U	
79-01-6	Trichloroethene	10	U	
75-69-4	Trichlorofluoromethane	10	U	

Exclude

MW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-42-GW23-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-020-2/3
Sample Volume :	.5	Lab File ID :	A63907.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

See original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	10	U
75-01-4	Vinyl Chloride	12	
156-59-2	cis-1,2-Dichloroethene	180	
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylene	10	U
104-51-8	n-Butylbenzene	10	U
103-65-1	n-Propylbenzene	10	U
95-47-6	o-Xylene	10	U
98-06-6	tert-Butylbenzene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

J CC4

Include

6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-42-GW20-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-022-1/9
Sample Volume :	5	Lab File ID :	A63882.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	~~U~~ UJ CCH
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-42-GW20-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-022-1/9
Sample Volume :	5	Lab File ID :	A63882.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ CCH
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	U	
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	UJ CCH
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.4		
75-69-4	Trichlorofluoromethane	1.0	U	

CW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-42-GW20-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-022-1/9
Sample Volume :	5	Lab File ID :	A63882.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/13/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	0.95	~~U~~ J MSH
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42-GW21-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-001-1/3
Sample Volume :	5	Lab File ID :	A63909.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	~~U~~	UJ BSL

fw 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42-GW21-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-001-1/3
Sample Volume :	5	Lab File ID :	A63909.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.1		
75-69-4	Trichlorofluoromethane	1.0	U	

NW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42-GW21-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-001-1/3
Sample Volume :	5	Lab File ID :	A63909.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	~~U~~ UJ CCH
156-59-2	cis-1,2-Dichloroethene	0.86	J
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.9	
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42-GW18-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-004-1/3
Sample Volume :	5	Lab File ID :	A63911.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.2		
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	~~U~~	UJ BSL

NW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42-GW18-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-004-1/3
Sample Volume :	5	Lab File ID :	A63911.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.6		
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	7.0		
75-69-4	Trichlorofluoromethane	1.0	U	

NW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42-GW18-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-004-1/3
Sample Volume :	5	Lab File ID :	A63911.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	~~U~~ UJ CCH
156-59-2	cis-1,2-Dichloroethene	7.7	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	20	
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

LW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42-GW19-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-007-1/3
Sample Volume :	5	Lab File ID :	A63913.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	~~U~~	UJ BSL

lw
6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42-GW19-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-007-1/3
Sample Volume :	5	Lab File ID :	A63913.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.4		
75-69-4	Trichlorofluoromethane	1.0	U	

RW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42-GW19-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-007-1/3
Sample Volume :	5	Lab File ID :	A63913.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	~~U~~
156-59-2	cis-1,2-Dichloroethene	2.8	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.5	
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-42-GW16-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-010-1/3
Sample Volume :	5	Lab File ID :	A63915.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	~~U~~	UJ BSL

LW 6/18/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-42-GW16-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-010-1/3
Sample Volume :	5	Lab File ID :	A63915.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	10		
75-69-4	Trichlorofluoromethane	1.0	U	

WJ 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-42-GW16-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-010-1/3
Sample Volume :	5	Lab File ID :	A63915.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/14/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	~~U~~ UJ CCH
156-59-2	cis-1,2-Dichloroethene	7.4	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB050509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-008-013-1/3
Sample Volume :	5	Lab File ID :	A63933.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/15/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	U
71-43-2	Benzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB050509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-008-013-1/3
Sample Volume :	5	Lab File ID :	A63933.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/15/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	~~U~~	UJ BSL
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	~~U~~	UJ CCH
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	~~U~~	UJ CCH
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	10		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

AW 6/18/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

8

SAMPLE NO
OU1-TB050509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-008-013-1/3
Sample Volume :	5	Lab File ID :	A63933.D
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/15/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	✓ UJ CCH
75-01-4	Vinyl Chloride	1.0	✓ UJ CCH
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

6/18/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905040

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 18, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-42-GW22-0509	905040-001	Water
2	OU1-42-GW23-0509	905040-002	Water
3	OU1-42-GW20-0509	905040-003	Water
3MS*	OU1-42-GW20-0509MS	905040-003MS	Water
3MSD*	OU1-42-GW20-0509MSD	905040-003MSD	Water
4	OU1-42-GW21-0509	905040-004	Water
5	OU1-42-GW18-0509	905040-005	Water
6	OU1-42-GW19-0509	905040-006	Water
7**	OU1-42-GW16-0509	905040-007	Water

** MS - Nitrate, Nitrite, Chloride only* *** TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-EB02-050709	None - ND	-	-	-	-
OU1-FB050709	None - ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike/duplicate samples exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS %R/RPD	Qualifier	Affected Samples
3	Chloride	Ok/42.4%	J	3
	Nitrite-N	128%/Ok	None	All ND
	Nitrate-N	127%/Ok	None	All ND

LCS - The LCS samples exhibited acceptable %R values.

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-001-053-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.9	
7440-44-0	Total Organic Carbon, Replicate 2	2.8	
7440-44-0	Total Organic Carbon, Replicate 3	2.8	
7440-44-0	Total Organic Carbon, Replicate 4	2.8	
7440-44-0	Total Organic Carbon, Average	2.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW23-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-002-054-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.3	
7440-44-0	Total Organic Carbon, Replicate 2	2.3	
7440-44-0	Total Organic Carbon, Replicate 3	2.3	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.3	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW20-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-003-067-1/3
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	4.6	
7440-44-0	Total Organic Carbon, Replicate 2	4.7	
7440-44-0	Total Organic Carbon, Replicate 3	4.7	
7440-44-0	Total Organic Carbon, Replicate 4	4.7	
7440-44-0	Total Organic Carbon, Average	4.7	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW21-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-004-049-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	U
7440-44-0	Total Organic Carbon, Replicate 2	1.0	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.0	U

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW18-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-005-50-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.6	
7440-44-0	Total Organic Carbon, Replicate 2	2.6	
7440-44-0	Total Organic Carbon, Replicate 3	2.6	
7440-44-0	Total Organic Carbon, Replicate 4	2.5	
7440-44-0	Total Organic Carbon, Average	2.6	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW19-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-006-051-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.8	
7440-44-0	Total Organic Carbon, Replicate 2	1.8	
7440-44-0	Total Organic Carbon, Replicate 3	1.8	
7440-44-0	Total Organic Carbon, Replicate 4	1.8	
7440-44-0	Total Organic Carbon, Average	1.8	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW16-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905040
Case No.:		SDG NO.:	905040
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905040-007-052-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/6/2009
% Moisture:	ID.	Date Analyzed:	5/11/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.1	
7440-44-0	Total Organic Carbon, Replicate 2	1.1	
7440-44-0	Total Organic Carbon, Replicate 3	1.1	
7440-44-0	Total Organic Carbon, Replicate 4	1.1	
7440-44-0	Total Organic Carbon, Average	1.1	

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-059-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	15	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-42-GW23-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-060-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	11	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-42-GW20-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-070-1/3
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42-GW21-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-055-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42-GW18-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-056-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42-GW19-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-057-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-42-GW16-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-058-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/06/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/06/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.9	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42-GW22-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-001-065-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-42-GW23-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-002-066-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-42-GW20-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-003-073-1/3
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42-GW21-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-004-061-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42-GW18-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-005-062-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-42-GW19-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-006-063-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-42-GW16-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905040
Case No. :		SDG NO :	905040
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905040-007-064-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/06/2009
% Moisture: not dec		Date Analyzed	05/09/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905068

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 19, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW49-0509	905068-003	Water
1DL	OU1-16GW49-0509DL	905068-003DL	Water
2	OU1-14GW53-0509	905068-005	Water
2DL	OU1-14GW53-0509DL	905068-005DL	Water
3	OU1-16GW51-0509	905068-006	Water
3DL	OU1-16GW51-0509DL	905068-006DL	Water
4	OU1-42GW17-0509	905068-007	Water
4DL	OU1-42GW17-0509DL	905068-007DL	Water
5	OU1-42GW17P-0509	905068-008	Water
5DL	OU1-42GW17P-0509DL	905068-008DL	Water
6	OU1-16GW52-0509	905068-010	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples except the following.

Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
1DL	05/07/09	05/29/09	22	J/UJ
2DL	05/07/09	05/29/09	22	J/UJ
4DL	05/07/09	05/29/09	22	J/UJ
5DL	05/07/09	05/29/09	22	J/UJ

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Ethane	Ok/77%/Ok	J/UJ
	Ethene	Ok/76%/Ok	J/UJ
	Methane	705%/647%/Ok	None - 4X rule applies

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-EB01-050709	Methane	43	215	U	1, 1DL, 2, 2DL, 3, 3DL, 4, 4DL, 5, 5DL, 6
OU1-FB050709	Methane	13	65	U	See EB01

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-42GW17-0509 ug/L	OU1-42GW17P-0509 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Quantitation - Several samples exhibited high concentrations of these compounds and were flagged (E) by the laboratory. The laboratory diluted and reanalyzed samples. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-020-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	~~U~~	UJ MSL
74-85-1	Ethene	5.8	~~U~~	UJ MSL
74-82-8	Methane	160	~~E~~	U BL

LW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1 DL

SAMPLE NO
OU1-16GW49-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-021-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/29/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	10
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	62	U	UJ HT
74-85-1	Ethene	58	U	UJ HT
74-82-8	Methane	190		UJBL HT

exclude

NW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-14GW53-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-056-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	73	~~E~~ U BL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2DL

SAMPLE NO
OU1-14GW53-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-057-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/29/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ HT
74-82-8	Methane	110		UJ BL HT

exclude

LW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW51-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-058-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	100	~~E~~ U BL

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OU1-16GW51-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-059-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	38	

u BL

exclude

NW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW17-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-060-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	64	~~E~~

u BL

LES 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4DL

SAMPLE NO
OU1-42GW17-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-061-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/29/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ HT
74-82-8	Methane	140		UJBE HT

exclude

RW
6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42GW17P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-062-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	78	~~E~~

u BL

LW
6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5DL

SAMPLE NO
OU1-42GW17P-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-063-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/29/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	5
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	31	U	UJ HT
74-85-1	Ethene	29	U	UJ HT
74-82-8	Methane	110		UJ BL HT

exclude

MW
6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW52-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-010-064-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	30	

U BL

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6/19/09

ENVIRONMENTAL
Data Services, Inc.

POLYNUCLEAR AROMATIC HYDRCARBONS

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905068

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 22, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW49-0509	905068-003	Water
1MS	OU1-16GW49-0509MS	905068-003MS	Water
1MSD	OU1-16GW49-0509MSD	905068-003MSD	Water
2	OU1-16GW49P-0509	905068-004	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgment were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/11/09	Pyrene	48.0%	J/UJ	All samples
	Benzo (b) fluoroanthene	36.3%	J/UJ	All samples
	Benzo (k) fluoroanthene	25.8%	J/UJ	All samples
	Benzo (a) pyrene	30.2%	J/UJ	All samples
	Indeno (1,2,3-cd) pyrene	29.2%	J/UJ	All samples
	Benzo (g,h,i) perylene	26.2%	J/UJ	All samples

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Benzo (a) pyrene	155%/Ok/Ok	None - All ND
	Benzo (b) fluoranthene	155%/145%/Ok	None - All ND
	Benzo (g,h,i) perylene	173%/Ok/45	None - All ND
	Dibenz (a,h) anthracene	155%/Ok/52	None - All ND
	Indeno (1,2,3-cd) pyrene	173%/Ok/45	None - All ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	None - ND	-	-	-	-
OU1-EB01-050709	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-16GW49-0509 ug/L	OU1-16GW49P-0509 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-025-1/6
Sample Volume :	900	Lab File ID :	P42310.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
91-57-6	2-Methylnaphthalene	0.22	U	
83-32-9	Acenaphthene	0.22	U	
208-96-8	Acenaphthylene	0.22	U	
120-12-7	Anthracene	0.22	U	
56-55-3	Benzo[a]anthracene	0.22	U	
50-32-8	Benzo[a]pyrene	0.22	~~U~~	UJ CCH
205-99-2	Benzo[b]fluoranthene	0.22	~~U~~	UJ CCH
191-24-2	Benzo[g,h,i]perylene	0.22	~~U~~	UJ CCH
207-08-9	Benzo[k]fluoranthene	0.22	~~U~~	UJ CCH
218-01-9	Chrysene	0.22	U	
53-70-3	Dibenz[a,h]anthracene	0.22	U	
206-44-0	Fluoranthene	0.22	U	
86-73-7	Fluorene	0.22	U	
193-39-5	Indeno[1,2,3-cd]pyrene	0.22	~~U~~	UJ CCH
91-20-3	Naphthalene	0.22	U	
85-01-8	Phenanthrene	0.22	U	
129-00-0	Pyrene	0.22	~~U~~	UJ CCH

RW 6/22/09

2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-004-037-1/2
Sample Volume :	900	Lab File ID :	P42313.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
91-57-6	2-Methylnaphthalene	0.22	U	
83-32-9	Acenaphthene	0.22	U	
208-96-8	Acenaphthylene	0.22	U	
120-12-7	Anthracene	0.22	U	
56-55-3	Benzo[a]anthracene	0.22	U	
50-32-8	Benzo[a]pyrene	0.22	~~U~~	UJ CCH
205-99-2	Benzo[b]fluoranthene	0.22	~~U~~	↓ ↓
191-24-2	Benzo[g,h,i]perylene	0.22	~~U~~	
207-08-9	Benzo[k]fluoranthene	0.22	~~U~~	
218-01-9	Chrysene	0.22	U	
53-70-3	Dibenz[a,h]anthracene	0.22	U	
206-44-0	Fluoranthene	0.22	U	
86-73-7	Fluorene	0.22	U	
193-39-5	Indeno[1,2,3-cd]pyrene	0.22	~~U~~	UJ CCH
91-20-3	Naphthalene	0.22	U	
85-01-8	Phenanthrene	0.22	U	
129-00-0	Pyrene	0.22	~~U~~	UJ CCH

LW 6/22/09

ENVIRONMENTAL
Data Services, Inc.

POLYCHLORINATED BIPHENYLS (PCBs)

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905068

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 22, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-17GW03-0509	905068-001	Water
1MS	OU1-17GW03-0509MS	905068-001MS	Water
1MSD	OU1-17GW03-0509MSD	905068-001MSD	Water
2	OU1-17GW03P-0509	905068-002	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgment were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	None - ND	-	-	-	-
OU1-EB01-050709	None - ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-17GW03-0509 ug/L	OU1-17GW03P-0509 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OU1-17GW03-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-001-001-1/6
Sample Volume :	1000	Lab File ID :	U0319529.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-17GW03P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-002-013-1/2
Sample Volume :	1000	Lab File ID :	U0319532.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

ENVIRONMENTAL
Data Services, Inc.

PESTICIDES
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905068

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 22, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-17GW03-0509	905068-001	Water
1MS	OU1-17GW03-0509MS	905068-001MS	Water
1MSD	OU1-17GW03-0509MSD	905068-001MSD	Water
2	OU1-17GW03P-0509	905068-002	Water
3	OU1-16GW49-0509	905068-003	Water
3MS	OU1-16GW49-0509MS	905068-003MS	Water
3MSD	OU1-16GW49-0509MSD	905068-003MSD	Water
4	OU1-16GW49P-0509	905068-004	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days.

Instrument performance - All 4,4'-DDT/endrin % breakdown, resolution check mixture and PEMs were within criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
1	DCB1/DCB2/TCX1/TCX2	Ok/Ok/Ok/119%	None for one out
3	DCB1/DCB2/TCX1/TCX2	Ok/Ok/114%/Ok	None for one out

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Beta-BHC	Ok/126%/Ok	None - All ND
3	Endosulfan I	115%/113%/Ok	None - All ND
	Endrin aldehyde	35%/31%/Ok	J/UJ

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	ND	-	-	-	-
OU1-EB01-050709	ND	-	-	-	-

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-17GW03-0509 ug/L	OU1-17GW03P-0509 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound	OU1-16GW49-0509 ug/L	OU1-16GW49P-0509 ug/L	RPD	Qualifier
None	ND	ND	-	-

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
OU1-17GW03-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-001-007-1/6
Sample Volume :	1000	Lab File ID :	V030418.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

LW
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GPL Laboratories

GPL
FORM 1
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2

SAMPLE NO
OU1-17GW03P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-002-015-1/2
Sample Volume :	1000	Lab File ID :	V030421.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-031-1/6
Sample Volume :	1000	Lab File ID :	V030422.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U ✓
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

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GPL Laboratories

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ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-16GW49P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-004-039-1/2
Sample Volume :	1000	Lab File ID :	V030426.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

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6/22/09

ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905068

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 19, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW49-0509	905068-003	Water
1MS	OU1-16GW49-0509MS	905068-003MS	Water
1MSD	OU1-16GW49-0509MSD	905068-003MSD	Water
2	OU1-14GW53-0509	905068-005	Water
3	OU1-16GW51-0509	905068-006	Water
4	OU1-42GW17-0509	905068-007	Water
5	OU1-42GW17P-0509	905068-008	Water
6	OU1-TB050609	905068-009	Water
7	OU1-16GW52-0509	905068-010	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgment were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/19/09	Chloromethane	30.2%	J/UJ	1, 5, 7
	Bromomethane	57.8%	J/UJ	1, 5, 7
	Trichlorofluoromethane	37.7%	J/UJ	1, 5, 7
	Methyl acetate	36.0%	J/UJ	1, 5, 7
	MTBE	33.6%	J/UJ	1, 5, 7

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/19/09	1,1,1-Trichloroethane	34.6%	J/UJ	1, 5, 7
	Carbon tetrachloride	35.9%	J/UJ	1, 5, 7
	Methylcyclohexane	25.7%	J/UJ	1, 5, 7
	2-Butanone	26.4%	J/UJ	1, 5, 7
	1,2-Dichloroethane	32.8%	J/UJ	1, 5, 7
	Bromodichloromethane	33.8%	J/UJ	1, 5, 7
	4-Methyl-2-pentanone	36.9%	J/UJ	1, 5, 7
	2-Hexanone	30.4%	J/UJ	1, 5, 7
	1,2-Dibromo-3-Chloropropane	33.0%	J/UJ	1, 5, 7
05/20/09	Dichlorodifluoromethane	200.9%	J/UJ	2-4, 6
	Bromomethane	30.7%	J/UJ	2-4, 6
	Chloromethane	45.1%	J/UJ	2-4, 6
	Acetone	26.4%	J/UJ	2-4, 6
	Carbon disulfide	31.9%	J/UJ	2-4, 6
	Vinyl acetate	42.4%	J/UJ	2-4, 6

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
7	1,2-Dichloroethane-d4	126%	J - Positive results

MS/MSD - The MS/MSD sample exhibited acceptable %R and RPD values except the following.

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
1	Chloromethane	136%/162%/Ok	None - All ND
	Cyclohexane	134%/138%/Ok	None - All ND
	Dichlorodifluoromethane	380%/380%/Ok	None - All ND
	Freon 113	126%/132%/Ok	None - All ND
	Methylcyclohexane	126%/130%/Ok	None - All ND
	Vinyl chloride	146%/148%/Ok	None - All ND

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109903	1,2-Dichloroethane	132%	None	All ND
	4-Methyl-2-pentanone	140%	None	All ND
	Bromodichloromethane	136%	None	All ND
	Methyl acetate	138%	None	All ND
	Methylcyclohexane	128%	None	All ND
	tert-Butyl methyl ether	134%	None	All ND
BKS109910	Chloromethane	152%	None	All ND
	Dichlorodifluoromethane	300%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	Methylene chloride	3.3	33	None	All ND
OU1-EB01-050709	Methylene chloride	1.5	15	None	All ND
OU1-TB050709	Methylene chloride	68	680	None	All ND
OU1-TB050609	Methylene chloride	86	860	None	All ND

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-42GW17-0509 ug/L	OU1-42GW17P-0509 ug/L	RPD	Qualifier
Chloroform	2.6	5.6	73%	None
Trichloroethene	1.4	2.2	44%	None
cis-1,2-Dichloroethene	1.3	1.7	27%	None

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

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SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3
Sample Volume :	5	Lab File ID :	A64025.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	~~U~~	UJ CCH
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	~~U~~	UJ CCH
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	~~U~~	UJ CCH
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	~~U~~	UJ CCH
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	~~U~~	UJ CCH
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	U	

NW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3
Sample Volume :	5	Lab File ID :	A64025.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	UJ CCH
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	UJ CCH
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-017-1/3
Sample Volume :	5	Lab File ID :	A64025.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	5.9	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	~~U~~ UJ CCH
156-60-5	trans-1,2-dichloroethene	0.89	J
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-14GW53-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-041-1/3
Sample Volume :	5	Lab File ID :	A64069.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	0.94	J
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-14GW53-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-041-1/3
Sample Volume :	5	Lab File ID :	A64069.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	2.2		
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW53-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-041-1/3
Sample Volume :	5	Lab File ID :	A64069.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.5	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-16GW51-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-044-1/3
Sample Volume :	5	Lab File ID :	A64071.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U

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SAMPLE NO
OU1-16GW51-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-044-1/3
Sample Volume :	5	Lab File ID :	A64071.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.5		
75-69-4	Trichlorofluoromethane	1.0	U	

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SAMPLE NO
OU1-16GW51-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-044-1/3
Sample Volume :	5	Lab File ID :	A64071.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	5.5	
156-59-2	cis-1,2-Dichloroethene	24	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-42GW17-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-047-1/3
Sample Volume :	5	Lab File ID :	A64073.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CH
71-43-2	Benzene	1.0	U

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SAMPLE NO
OU1-42GW17-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-047-1/3
Sample Volume :	5	Lab File ID :	A64073.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	U	
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	2.6		
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.4		
75-69-4	Trichlorofluoromethane	1.0	U	

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SAMPLE NO
OU1-42GW17-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-047-1/3
Sample Volume :	5	Lab File ID :	A64073.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.3	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-42GW17P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-050-1/3
Sample Volume :	5	Lab File ID :	A64035.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	~~U~~	UJ CCH
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	~~U~~	UJ CCH
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	~~U~~	UJ CCH
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	~~U~~	UJ CCH
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	~~U~~	UJ CCH
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	U	

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SAMPLE NO
OU1-42GW17P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-050-1/3
Sample Volume :	5	Lab File ID :	A64035.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	UJ CCH
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	5.6		
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	UJ CCH
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	2.2		
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

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SAMPLE NO
OU1-42GW17P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-050-1/3
Sample Volume :	5	Lab File ID :	A64035.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.7	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	~~U~~ UJ CCH
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OU1-TB050609

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-009-081-1/3
Sample Volume :	5	Lab File ID :	A64075.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U

MW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-TB050609

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-009-081-1/3
Sample Volume :	5	Lab File ID :	A64075.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	86		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

LW
6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-TB050609

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-009-081-1/3
Sample Volume :	5	Lab File ID :	A64075.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW52-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-010-053-1/3
Sample Volume :	5	Lab File ID :	A64039.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	~~U~~	UJ CCH
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	~~U~~	UJ CCH
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	~~U~~	UJ CCH
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	2.5		J SSH
594-20-7	2,2-Dichloropropane	1.0	U	
78-93-3	2-Butanone	5.0	~~U~~	UJ CCH
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	~~U~~	UJ CCH
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	~~U~~	UJ CCH
67-64-1	Acetone	5.0	U	
71-43-2	Benzene	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OU1-16GW52-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-010-053-1/3
Sample Volume :	5	Lab File ID :	A64039.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	~~U~~	UJ CCH
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	U	
56-23-5	Carbon Tetrachloride	1.0	~~U~~	UJ CCH
108-90-7	Chlorobenzene	37		J SSH
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	U	
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	~~U~~	UJ CCH
108-87-2	Methylcyclohexane	1.0	~~U~~	UJ CCH
75-09-2	Methylene Chloride	1.0	U	
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	~~U~~	UJ CCH

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

7

SAMPLE NO
OU1-16GW52-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-010-053-1/3
Sample Volume :	5	Lab File ID :	A64039.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX_624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	~~U~~ UJ CH
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905068

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 19, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-16GW49-0509	905068-003	Water
1MS	OU1-16GW49-0509MS	905068-003MS	Water
1MSD	OU1-16GW49-0509MSD	905068-003MSD	Water
2	OU1-14GW53-0509	905068-005	Water
3	OU1-16GW51-0509	905068-006	Water
4	OU1-42GW17-0509	905068-007	Water
5	OU1-42GW17P-0509	905068-008	Water
6	OU1-16GW52-0509	905068-010	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgment were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-FB050709	ND	-	-	-	-
OU1-EB01-050709	ND	-	-	-	-
OU1-EB02-050709	ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike samples exhibited acceptable %R values.

LCS - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 05/07/09	Nitrite-N	122%	None	All ND

Field Duplicates - Field duplicate results are summarized below.

Compound	OU1-42GW17-0509 mg/L	OU1-42GW17P-0509 mg/L	RPD	Qualifier
Chloride	9.3	9.4	1%	None
TOC, Average	2.2	2.3	4%	None

Compound Quantitation - No discrepancies were identified.

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SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-023-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	14	
14797-55-8	Nitrate	0.15	
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

2

SAMPLE NO
OU1-14GW53-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-071-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	8.0	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

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ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW51-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-072-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	10	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW17-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-073-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.3	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

Cw
6/19/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42GW17P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-074-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.4	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW52-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-010-075-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	7.2	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	U

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SAMPLE NO
OU1-16GW49-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-003-024-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO.
OU1-14GW53-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-005-076-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

Qw
6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OU1-16GW51-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-006-077-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OU1-42GW17-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-007-078-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

lw
6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

5

SAMPLE NO
OU1-42GW17P-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-008-079-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

6

SAMPLE NO
OU1-16GW52-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905068
Case No. :		SDG NO :	905068
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905068-010-080-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

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GPL
Laboratories

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FORM 1
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SAMPLE NO
OU1-16GW49-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905068
Case No.:		SDG NO.:	905068
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905068-003-022-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/22/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	5.6	
7440-44-0	Total Organic Carbon, Replicate 2	4.6	
7440-44-0	Total Organic Carbon, Replicate 3	5.0	
7440-44-0	Total Organic Carbon, Replicate 4	4.2	
7440-44-0	Total Organic Carbon, Average	4.8	

FORM I SW9060

lw
6/19/09

2

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-14GW53-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905068
Case No.:		SDG NO.:	905068
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905068-005-066-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/23/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.9	
7440-44-0	Total Organic Carbon, Replicate 2	2.8	
7440-44-0	Total Organic Carbon, Replicate 3	2.8	
7440-44-0	Total Organic Carbon, Replicate 4	2.8	
7440-44-0	Total Organic Carbon, Average	2.8	

FORM I SW9060

lw
6/19/09

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW51-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905068
Case No.:		SDG NO.:	905068
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905068-006-067-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/22/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.3	
7440-44-0	Total Organic Carbon, Replicate 3	2.2	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.2	

FORM I SW9060

lus 6/19/09

4

GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42GW17-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905068
Case No.:		SDG NO.:	905068
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905068-007-068-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/22/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.1	
7440-44-0	Total Organic Carbon, Replicate 2	2.2	
7440-44-0	Total Organic Carbon, Replicate 3	2.2	
7440-44-0	Total Organic Carbon, Replicate 4	2.3	
7440-44-0	Total Organic Carbon, Average	2.2	

lw
6/19/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-42GW17P-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905068
Case No.:		SDG NO.:	905068
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905068-008-069-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/21/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	2.3	
7440-44-0	Total Organic Carbon, Replicate 2	2.2	
7440-44-0	Total Organic Carbon, Replicate 3	2.3	
7440-44-0	Total Organic Carbon, Replicate 4	2.2	
7440-44-0	Total Organic Carbon, Average	2.3	

FORM I SW9060

lw 6/19/09

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW52-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905068
Case No.:		SDG NO.:	905068
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905068-010-070-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/22/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.5	
7440-44-0	Total Organic Carbon, Replicate 2	1.5	
7440-44-0	Total Organic Carbon, Replicate 3	1.5	
7440-44-0	Total Organic Carbon, Replicate 4	1.5	
7440-44-0	Total Organic Carbon, Average	1.5	

MW
6/19/09

ENVIRONMENTAL
Data Services, Inc.

METHANE, ETHANE, ETHENE
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905070

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 19, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-FB050709	905070-001	Water
1RE	OU1-FB050709RE	905070-001RE	Water
2	OU1-EB01-050709	905070-002	Water
2RE	OU1-EB01-050709RE	905070-002RE	Water
3	OU1-16GW50-0509	905070-004	Water
3DL	OU1-16GW50-0509DL	905070-004DL	Water
3RE	OU1-16GW50-0509RE	905070-004RE	Water
4	OU1-EB02-050709	905070-005	Water
4RE	OU1-EB02-050709RE	905070-005RE	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples except the following.

Sample	Date Sampled	Date Analyzed	# of Days	Qualifier
1RE	05/07/09	05/28/09	21	J/UJ
2RE	05/07/09	05/28/09	21	J/UJ
3DL	05/07/09	05/28/09	21	J/UJ
3RE	05/07/09	05/28/09	21	J/UJ
4RE	05/07/09	05/28/09	21	J/UJ

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D values.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	Methane	13	65	None	See EB02
OU1-EB01-050709	Methane	43	215	None	All ND
OU1-EB02-050709	Methane	34	170	None	All >5X

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - Several samples exhibited high concentrations of these compounds and were flagged (E) by the laboratory. The laboratory diluted and reanalyzed samples. The reviewer replaced the original results with the dilution results. The original Form Is should be used for reporting purposes.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-007-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	13	

MW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1RE

SAMPLE NO
OUI-FB050709RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-008-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ
74-82-8	Methane	10		J

exclude

NW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-009-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	43	~~E~~ J LR

aw 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2RE

SAMPLE NO
OUI-EB01-050709RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-010-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ ↓
74-82-8	Methane	2.5	U	J ↓

exclude

CW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-042-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	370	~~E~~ J LR

RW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3DL

SAMPLE NO
OUI-16GW50-0509DL

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-043-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	20
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	130	U	UJ HT
74-85-1	Ethene	120	U	UJ
74-82-8	Methane	220		J

exclude

MW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3RE

SAMPLE NO
OUI-16GW50-0509RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-043-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ HT
74-82-8	Methane	260	~~E~~	J LR ~~HT~~

exclude

lew 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-044-1/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
74-84-0	Ethane	6.2	U
74-85-1	Ethene	5.8	U
74-82-8	Methane	34	~~E~~ J LR

RW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4RE

SAMPLE NO
OUI-EB02-050709RE

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-045-2/2
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/28/2009
GC Column :	RT-ALUMINA ID. 0.53	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Use original

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
74-84-0	Ethane	6.2	U	UJ HT
74-85-1	Ethene	5.8	U	UJ
74-82-8	Methane	14		J

exclude

hw 6/19/09

ENVIRONMENTAL
Data Services, Inc.

POLYNUCLEAR AROMATIC HYDRCARBONS

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905070

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 22, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-FB050709	905070-001	Water
2	OU1-EB01-050709	905070-002	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days for all samples.

GC/MS Tuning - All of the DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/11/09	Pyrene	48.0%	J/UJ	All samples
	Benzo (b) fluoranthene	36.3%	J/UJ	All samples
	Benzo (k) fluoranthene	25.8%	J/UJ	All samples
	Benzo (a) pyrene	30.2%	J/UJ	All samples
	Indeno (1,2,3-cd) pyrene	29.2%	J/UJ	All samples
	Benzo (g,h,i) perylene	26.2%	J/UJ	All samples

Surrogates - All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
1	p-Terphenyl-d14	141%	None - All ND

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	None - ND	-	-	-	-
OU1-EB01-050709	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-017-1/2
Sample Volume :	900	Lab File ID :	P42314.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
91-57-6	2-Methylnaphthalene	0.22	U	
83-32-9	Acenaphthene	0.22	U	
208-96-8	Acenaphthylene	0.22	U	
120-12-7	Anthracene	0.22	U	
56-55-3	Benzo[a]anthracene	0.22	U	
50-32-8	Benzo[a]pyrene	0.22	~~U~~	UJ CCH
205-99-2	Benzo[b]fluoranthene	0.22	~~U~~	UJ
191-24-2	Benzo[g,h,i]perylene	0.22	~~U~~	UJ
207-08-9	Benzo[k]fluoranthene	0.22	~~U~~	UJ
218-01-9	Chrysene	0.22	U	
53-70-3	Dibenz[a,h]anthracene	0.22	U	
206-44-0	Fluoranthene	0.22	U	
86-73-7	Fluorene	0.22	U	
193-39-5	Indeno[1,2,3-cd]pyrene	0.22	~~U~~	UJ CCH
91-20-3	Naphthalene	0.22	U	
85-01-8	Phenanthrene	0.22	U	
129-00-0	Pyrene	0.22	~~U~~	UJ CCH

MW 6/22/09

2

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-019-1/2
Sample Volume :	900	Lab File ID :	P42315.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C-LL	Date Extracted:	05/11/2009
Extract Volume:	1 mL	Date Analyzed	05/11/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
91-57-6	2-Methylnaphthalene	0.22	U	
83-32-9	Acenaphthene	0.22	U	
208-96-8	Acenaphthylene	0.22	U	
120-12-7	Anthracene	0.22	U	
56-55-3	Benzo[a]anthracene	0.22	U	
50-32-8	Benzo[a]pyrene	0.22	~~U~~	UJ CCH
205-99-2	Benzo[b]fluoranthene	0.22	~~U~~	↓ ↓
191-24-2	Benzo[g,h,i]perylene	0.22	~~U~~	
207-08-9	Benzo[k]fluoranthene	0.22	~~U~~	
218-01-9	Chrysene	0.22	U	
53-70-3	Dibenz[a,h]anthracene	0.22	U	
206-44-0	Fluoranthene	0.22	U	
86-73-7	Fluorene	0.22	U	
193-39-5	Indeno[1,2,3-cd]pyrene	0.22	~~U~~	UJ CCH
91-20-3	Naphthalene	0.22	U	
85-01-8	Phenanthrene	0.22	U	
129-00-0	Pyrene	0.22	~~U~~	UJ CCH

hw 6/22/09

ENVIRONMENTAL
Data Services, Inc.

POLYCHLORINATED BIPHENYLS (PCBs)

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905070

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 22, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-FB050709	905070-001	Water
2	OU1-EB01-050709	905070-002	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - MS/MSD samples were not included in this data package.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	None - ND	-	-	-	-
OU1-EB01-050709	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

1

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-029-1/2
Sample Volume :	1000	Lab File ID :	U0319527.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-031-1/2
Sample Volume :	1000	Lab File ID :	U0319528.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

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ENVIRONMENTAL
Data Services, Inc.

PESTICIDES

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905070

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 22, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-FB050709	905070-001	Water
2	OU1-EB01-050709	905070-002	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were extracted within 7 days for water samples and analyzed within 40 days.

Instrument performance - All 4,4'-DDT/endrin % breakdown, resolution check mixture and PEMs were within criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD values.

Calibration Verification - The continuing calibrations exhibited acceptable %D values.

Surrogates - All samples exhibited acceptable surrogate recoveries.

Sample ID	Surrogate	%R	Qualifier
1	DCB1/DCB2/TCX1/TCX2	Ok/Ok/124%/Ok	None for one out
2	DCB1/DCB2/TCX1/TCX2	Ok/Ok/Ok/139%	None for one out

MS/MSD - The A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS sample(s) exhibited acceptable %R values.

Method Blank - The method blanks were free of contamination.

Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	None - ND	-	-	-	-
OU1-EB01-050709	None - ND	-	-	-	-

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Identification - Retention times were acceptable and no further action was taken.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-021-1/2
Sample Volume :	1000	Lab File ID :	V030416.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

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SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-023-1/2
Sample Volume :	1000	Lab File ID :	V030417.D
% Moisture:		Date Received	05/08/2009
Extraction:	SW3520C	Date Extracted:	05/13/2009
Extract Volume:	10 mL	Date Analyzed	05/13/2009
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
72-54-8	4,4-DDD	0.050	U
72-55-9	4,4-DDE	0.050	U
50-29-3	4,4-DDT	0.050	U
309-00-2	Aldrin	0.050	U
319-84-6	Alpha-BHC	0.050	U
5103-71-9	Alpha-Chlordane	0.050	U
319-85-7	Beta-BHC	0.050	U
319-86-8	Delta-BHC	0.050	U
60-57-1	Dieldrin	0.050	U
959-98-8	Endosulfan I	0.050	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan Sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
53494-70-5	Endrin Ketone	0.050	U
58-89-9	Gamma-BHC (Lindane)	0.050	U
5103-74-2	Gamma-Chlordane	0.050	U
76-44-8	Heptachlor	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
72-43-5	Methoxychlor	0.050	U
8001-35-2	Toxaphene	1.0	U

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ENVIRONMENTAL
Data Services, Inc.

VOLATILE ORGANIC COMPOUNDS
USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905070

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 19, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-FB050709	905070-001	Water
2	OU1-EB01-050709	905070-002	Water
3	OU1-TB050709	905070-003	Water
4	OU1-16GW50-0509	905070-004	Water
5	OU1-EB02-050709	905070-005	Water

The USEPA "Contract Laboratory Program National Functional Guidelines for Organic Data Review," October 1999, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were analyzed within 14 days for preserved water samples.

GC/MS Tuning - All of the BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Initial Calibration - The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration - The continuing calibrations exhibited acceptable %D and RRF values except the following.

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/20/09	Dichlorodifluoromethane	200.9%	J/UJ	1-2
	Chloromethane	45.1%	J/UJ	1-2
	Bromomethane	30.7%	J/UJ	1-2
	Acetone	26.4%	J/UJ	1-2
	Carbon disulfide	31.9%	J/UJ	1-2
	Vinyl acetate	42.4%	J/UJ	1-2
05/21/09	Dichlorodifluoromethane	213.2%	J/UJ	3-5
	Chloromethane	41.4%	J/UJ	3-5
	Bromomethane	38.5%	J/UJ	3-5

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
05/21/09	Methylene chloride	25.6%	J/UJ	3-5
	Acetone	33.3%	J/UJ	3-5
	Carbon disulfide	39.6%	J/UJ	3-5
	2,2-Dichloropropane	32.9%	J/UJ	3-5
	Vinyl acetate	61.0%	J/UJ	3-5
	Tetrachloroethene	86.8%	J/UJ	3-5

Surrogates - All samples exhibited acceptable surrogate recoveries.

MS/MSD - A MS/MSD sample was not analyzed.

Laboratory Control Sample - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
BKS109913	Chloromethane	152%	None	All ND
	Dichlorodifluoromethane	300%	None	All ND
BKS109914	Chloromethane	146%	None	All ND
	Cyclohexane	128%	None	All ND
	Dichlorodifluoromethane	280%	None	All ND
BKS109914	Tetrachloroethylene	188%	None	All ND

Internal Standard (IS) Area Performance - All internal standards met response and retention time (RT) criteria.

Method Blank - The method blanks were free of contamination.

Trip, Field, Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
OU1-FB050709	Methylene chloride	3.3	33	None	All ND
OU1-EB01-050709	Methylene chloride	1.5	15	None	All ND
OU1-TB050709	Methylene chloride	68	680	None	All ND

Field Duplicates - Field duplicate samples were not included in this data package.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Compound Quantitation - No discrepancies were identified.

GPL Laboratories

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SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-001-1/3
Sample Volume :	5	Lab File ID :	A64077.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U

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FORM 1
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SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-001-1/3
Sample Volume :	5	Lab File ID :	A64077.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	3.3		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

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FORM 1
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SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-001-1/3
Sample Volume :	5	Lab File ID :	A64077.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/20/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-004-1/3
Sample Volume :	5	Lab File ID :	A64079.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
108-67-8	1,3,5-trimethylbenzene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U
78-93-3	2-Butanone	5.0	U
95-49-8	2-Chlorotoluene	1.0	U
591-78-6	2-Hexanone	5.0	U
106-43-4	4-Chlorotoluene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U
67-64-1	Acetone	5.0	~~U~~ UJ CCH
71-43-2	Benzene	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-004-1/3
Sample Volume :	5	Lab File ID :	A64079.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.5		
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	U	
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-004-1/3
Sample Volume :	5	Lab File ID :	A64079.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	U
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

UJ CCH

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-TB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-003-033-1/3
Sample Volume :	5	Lab File ID :	A64091.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	~~U~~	UJ CCH
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	U	

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GPL Laboratories

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ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-TB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-003-033-1/3
Sample Volume :	5	Lab File ID :	A64091.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	68		J CCH
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	~~U~~	UJ CCH
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-TB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-003-033-1/3
Sample Volume :	5	Lab File ID :	A64091.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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GPL Laboratories

GPL
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ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-036-1/3
Sample Volume :	5	Lab File ID :	A64093.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	~~U~~	UJ CCH
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	U	

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GPL Laboratories

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4

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-036-1/3
Sample Volume :	5	Lab File ID :	A64093.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	2.8		
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.0	~~U~~	UJ CCH
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	~~U~~	UJ CCH
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	19		
75-69-4	Trichlorofluoromethane	1.0	U	

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FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-036-1/3
Sample Volume :	5	Lab File ID :	A64093.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~ UJ CCH
75-01-4	Vinyl Chloride	16	
156-59-2	cis-1,2-Dichloroethene	120	
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	3.7	
10061-02-6	trans-1,3-dichloropropene	1.0	U

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SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-039-1/3
Sample Volume :	5	Lab File ID :	A64095.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	
71-55-6	1,1,1-Trichloroethane	1.0	U	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	
79-00-5	1,1,2-Trichloroethane	1.0	U	
75-34-3	1,1-Dichloroethane	1.0	U	
75-35-4	1,1-Dichloroethene	1.0	U	
563-58-6	1,1-Dichloropropene	1.0	U	
87-61-6	1,2,3-Trichlorobenzene	1.0	U	
96-18-4	1,2,3-Trichloropropane	1.0	U	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	
95-63-6	1,2,4-Trimethylbenzene	1.0	U	
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	
106-93-4	1,2-Dibromoethane	1.0	U	
95-50-1	1,2-Dichlorobenzene	1.0	U	
107-06-2	1,2-Dichloroethane	1.0	U	
78-87-5	1,2-Dichloropropane	1.0	U	
108-67-8	1,3,5-trimethylbenzene	1.0	U	
541-73-1	1,3-Dichlorobenzene	1.0	U	
142-28-9	1,3-Dichloropropane	1.0	U	
106-46-7	1,4-Dichlorobenzene	1.0	U	
594-20-7	2,2-Dichloropropane	1.0	~~U~~	UJ CCH
78-93-3	2-Butanone	5.0	U	
95-49-8	2-Chlorotoluene	1.0	U	
591-78-6	2-Hexanone	5.0	U	
106-43-4	4-Chlorotoluene	1.0	U	
99-87-6	4-Isopropyltoluene	1.0	U	
108-10-1	4-Methyl-2-Pentanone	5.0	U	
67-64-1	Acetone	5.0	~~U~~	UJ CCH
71-43-2	Benzene	1.0	U	

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GPL Laboratories

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ANALYSIS DATA SHEET

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SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-039-1/3
Sample Volume :	5	Lab File ID :	A64095.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q	
108-86-1	Bromobenzene	1.0	U	
74-97-5	Bromochloromethane	1.0	U	
75-27-4	Bromodichloromethane	1.0	U	
75-25-2	Bromoform	1.0	U	
74-83-9	Bromomethane	1.0	~~U~~	UJ CCH
75-15-0	Carbon Disulfide	1.0	~~U~~	UJ CCH
56-23-5	Carbon Tetrachloride	1.0	U	
108-90-7	Chlorobenzene	1.0	U	
75-00-3	Chloroethane	1.0	U	
67-66-3	Chloroform	1.0	U	
74-87-3	Chloromethane	1.0	~~U~~	UJ CCH
110-82-7	Cyclohexane	1.0	U	
124-48-1	Dibromochloromethane	1.0	U	
74-95-3	Dibromomethane	1.0	U	
75-71-8	Dichlorodifluoromethane	1.0	~~U~~	UJ CCH
100-41-4	Ethylbenzene	1.0	U	
76-13-1	Freon 113	1.0	U	
87-68-3	Hexachlorobutadiene	1.0	U	
98-82-8	Isopropylbenzene	1.0	U	
79-20-9	Methyl Acetate	1.0	U	
108-87-2	Methylcyclohexane	1.0	U	
75-09-2	Methylene Chloride	1.8		J CCH
91-20-3	Naphthalene	1.0	U	
135-98-8	Sec-Butylbenzene	1.0	U	
100-42-5	Styrene	1.0	U	
127-18-4	Tetrachloroethylene	1.0	~~U~~	UJ CCH
108-88-3	Toluene	1.0	U	
79-01-6	Trichloroethene	1.0	U	
75-69-4	Trichlorofluoromethane	1.0	U	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

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SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-039-1/3
Sample Volume :	5	Lab File ID :	A64095.D
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/21/2009
GC Column :	RTX-624 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
108-05-4	Vinyl Acetate	1.0	~~U~~
75-01-4	Vinyl Chloride	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
136777-61-2	m,p-Xylene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-47-6	o-Xylene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
1634-04-4	tert-butyl methyl ether	1.0	U
156-60-5	trans-1,2-dichloroethene	1.0	U
10061-02-6	trans-1,3-dichloropropene	1.0	U

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RW 6/19/09

ENVIRONMENTAL
Data Services, Inc.

TOTAL ORGANIC CARBON (TOC), NITRATE, NITRITE, CHLORIDE, SULFIDE

USEPA Region IV - Level IV Review

Site: MCAS Cherry Point, CTO-059 SDG #: 905070

Client: CH2M HILL, Inc., Virginia Beach, Virginia Date: June 19, 2009

Laboratory: GPL Laboratories, Inc., Frederick, Maryland Reviewer: Nancy Weaver

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OU1-FB050709	905070-001	Water
2	OU1-EB01-050709	905070-002	Water
3	OU1-16GW50-0509	905070-004	Water
3MS*	OU1-16GW50-0509MS	905070-004MS	Water
3MSD*	OU1-16GW50-0509MSD	905070-004MSD	Water
4	OU1-EB02-050709	905070-005	Water

** MS/MSD - Nitrate, Nitrite, Chloride, TOC only*

The USEPA "Contract Laboratory Program National Functional Guidelines for Inorganic Data Review," October 2004, and professional judgement were used in evaluating the data in this summary report.

Holding Times - All samples were prepared and analyzed within the recommended holding times for all of the above wet chemistry parameters.

Calibration - The ICV and CCV %R values were acceptable.

Method and Calibration Blanks - The method blanks and continuing calibration blanks exhibited contamination were free of contamination.

Field and Equipment Blank - Field QC results are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
OU1-FB050709	ND	-	-	-	-
OU1-EB01-050709	ND	-	-	-	-
OU1-EB02-050709	ND	-	-	-	-

Matrix Spike/Duplicate - The matrix spike/duplicate samples exhibited acceptable %R and RPD values.

LCS - The LCS samples exhibited acceptable %R values except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS 05/07/09	Nitrite-N	80.7%	J/UJ	1-4

Field Duplicates - Field duplicate samples were not included in this data package.

Compound Quantitation - No discrepancies were identified.

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-FB500709

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905070
Case No.:		SDG NO.:	905070
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905070-001-011-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	U
7440-44-0	Total Organic Carbon, Replicate 2	1.0	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.0	U

FORM I SW9060

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GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-EB01-050709

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905070
Case No.:		SDG NO.:	905070
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905070-002-012-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	U
7440-44-0	Total Organic Carbon, Replicate 2	1.0	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.0	U

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-16GW50-0509

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905070
Case No.:		SDG NO.:	905070
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905070-004-046-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.9	
7440-44-0	Total Organic Carbon, Replicate 2	2.0	
7440-44-0	Total Organic Carbon, Replicate 3	2.0	
7440-44-0	Total Organic Carbon, Replicate 4	2.0	
7440-44-0	Total Organic Carbon, Average	2.0	

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GPL
Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OU1-EB02-050709

Lab Name:	GPL Laboratories	Client:	CH2M Hill Inc
Lab Code:	GPL	SAS NO.:	905070
Case No.:		SDG NO.:	905070
Matrix: (Soil/Water)	WATER	Lab Sample ID:	905070-005-47-1/1
Sample Volume:		Lab File ID:	1
Level:	Low	Date Received:	5/8/2009
% Moisture:	ID.	Date Analyzed:	5/24/2009
GC Column:		Dilution factor	1
Soil Extract Volume:		Soil Aliquot Volume:	

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
7440-44-0	Total Organic Carbon, Replicate 1	1.0	U
7440-44-0	Total Organic Carbon, Replicate 2	1.0	U
7440-44-0	Total Organic Carbon, Replicate 3	1.0	U
7440-44-0	Total Organic Carbon, Replicate 4	1.0	U
7440-44-0	Total Organic Carbon, Average	1.0	U

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-013-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	~~U~~ UJ BSL

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GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-014-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µL	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	~~U~~ UJ BSL

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3

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-048-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	9.7	
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	~~U~~ UJ BSL

ew 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-049-1/1
Sample Volume :		Lab File ID :	1
% Moisture:		Date Received	05/08/2009
Extraction:		Date Extracted:	
Extract Volume:	mL	Date Analyzed	05/08/2009
Injection Volume :	µ L	Dilution Factor :	1
GPC Clean up (Y/N):	pH:		

Concentration Units (ug/L or ug/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
16887-00-6	Chloride	0.10	U
14797-55-8	Nitrate	0.10	U
7727-37-9	Nitrite	0.10	~~U~~

UJ BSL

LW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
OUI-FB050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-001-015-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

JW 6/19/09

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

2

SAMPLE NO
OUI-EB01-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-002-016-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

ew 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

3

SAMPLE NO
OUI-16GW50-0509

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-004-050-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

LW 6/19/09

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

4

SAMPLE NO
OUI-EB02-050709

Lab Name :	GPL Laboratories	Client. :	CH2M Hill
Lab Code :	GPL	SAS NO. :	905070
Case No. :		SDG NO :	905070
Matrix : (Soil / Water)	WATER	Lab Sample ID :	905070-005-051-1/1
Sample Volume :		Lab File ID :	1
Level :	Low	Date Received	05/08/2009
% Moisture: not dec		Date Analyzed	05/12/2009
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

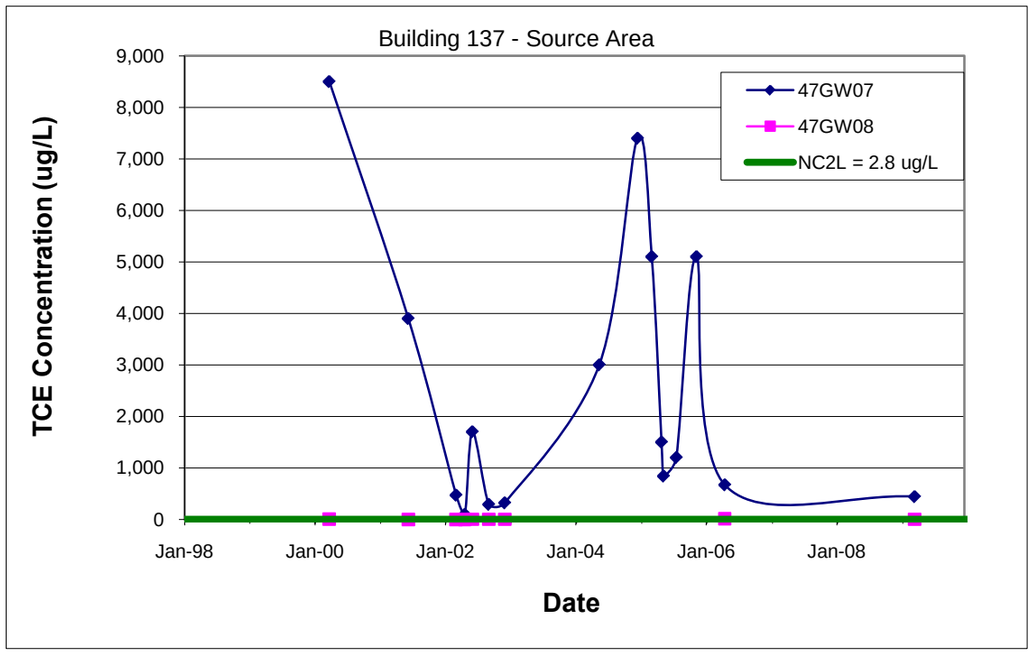
Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18496-25-8	Sulfide	2.0	U

MW 6/19/09

FORM I E376.1

Attachment E
Time Series Charts



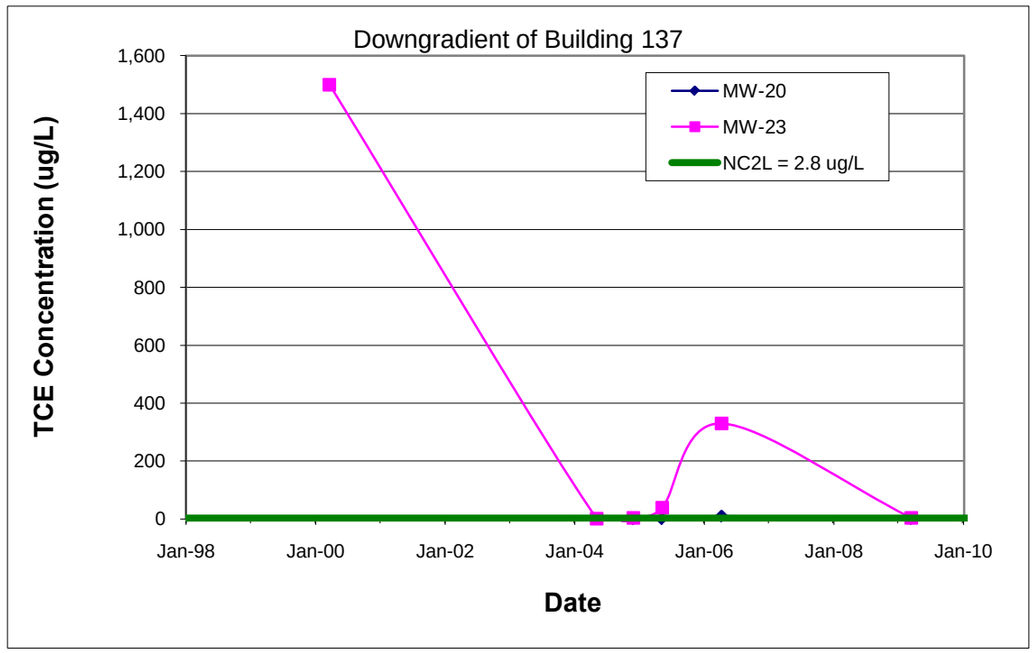
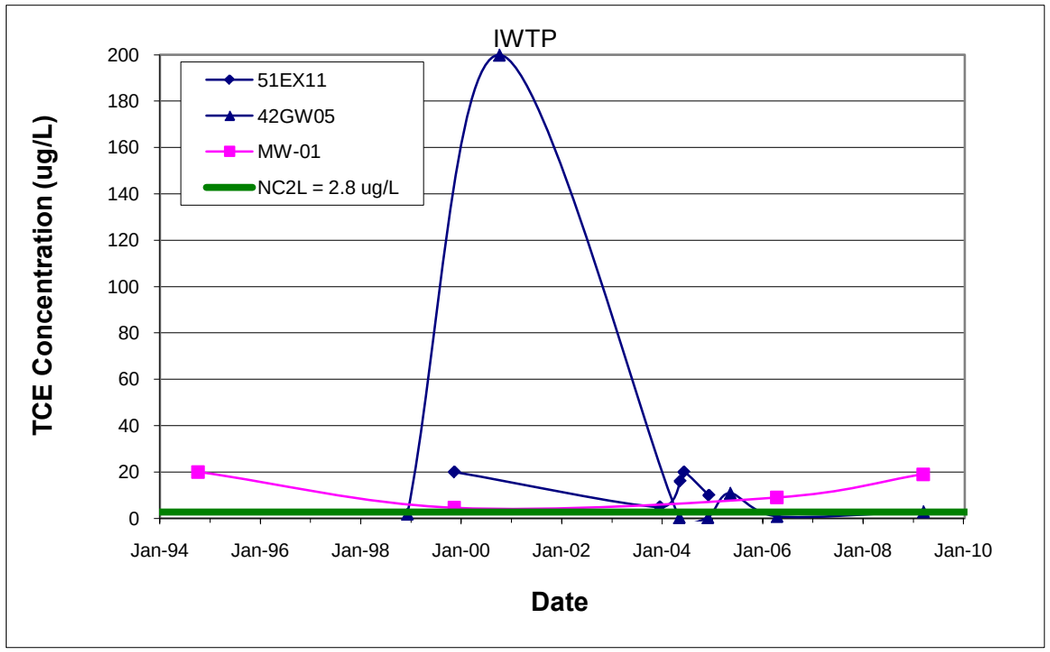
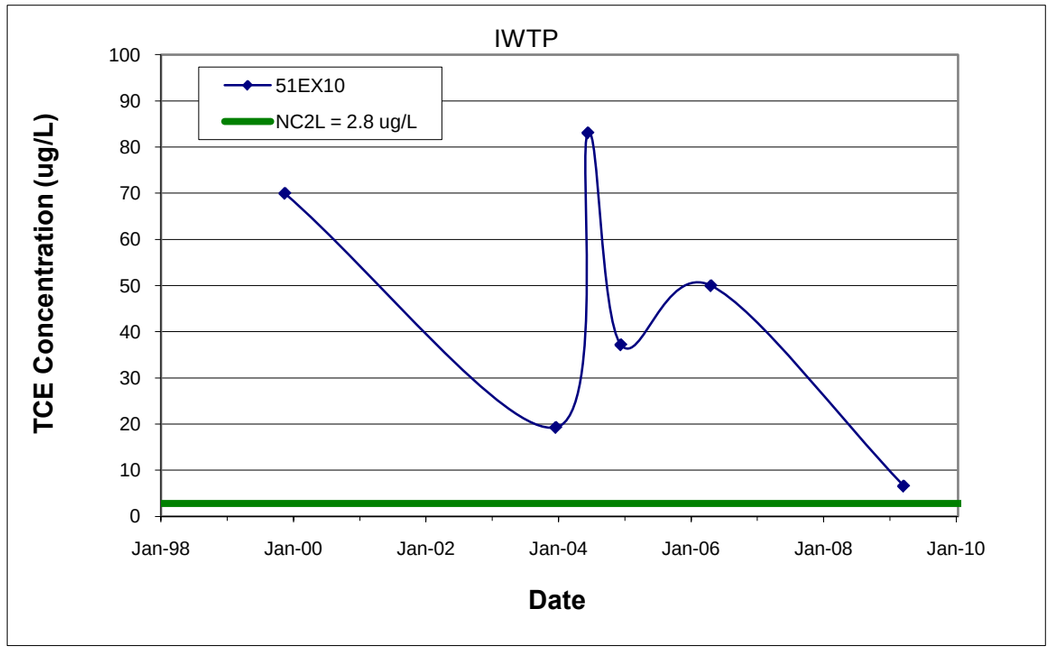
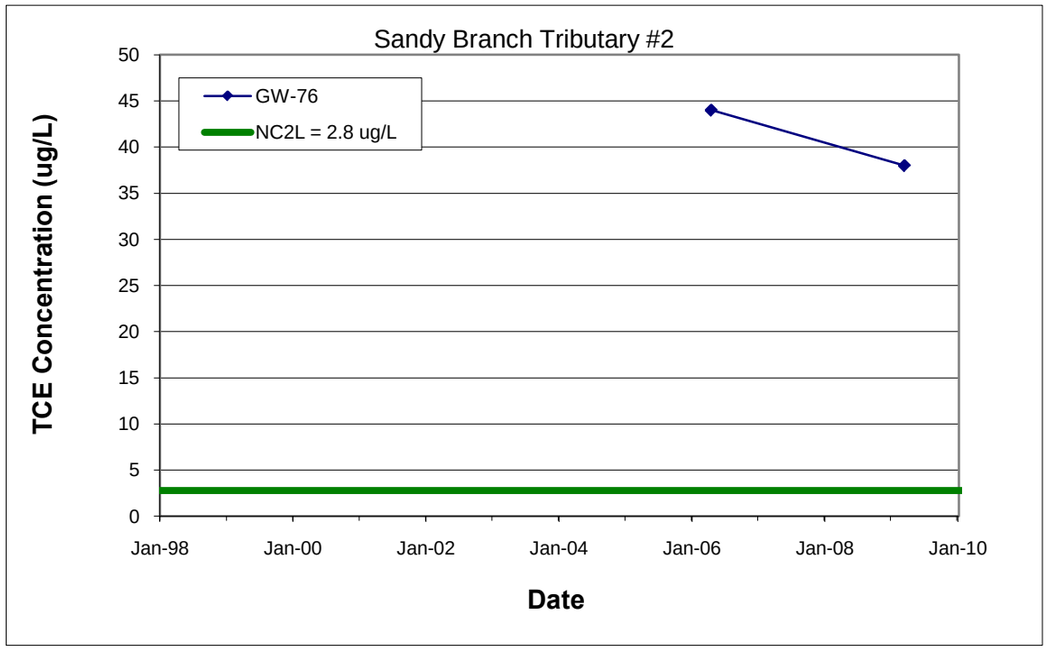


Chart E-1
Time Series Plot for TCE at Building 137
Marine Corps Air Station Cherry Point







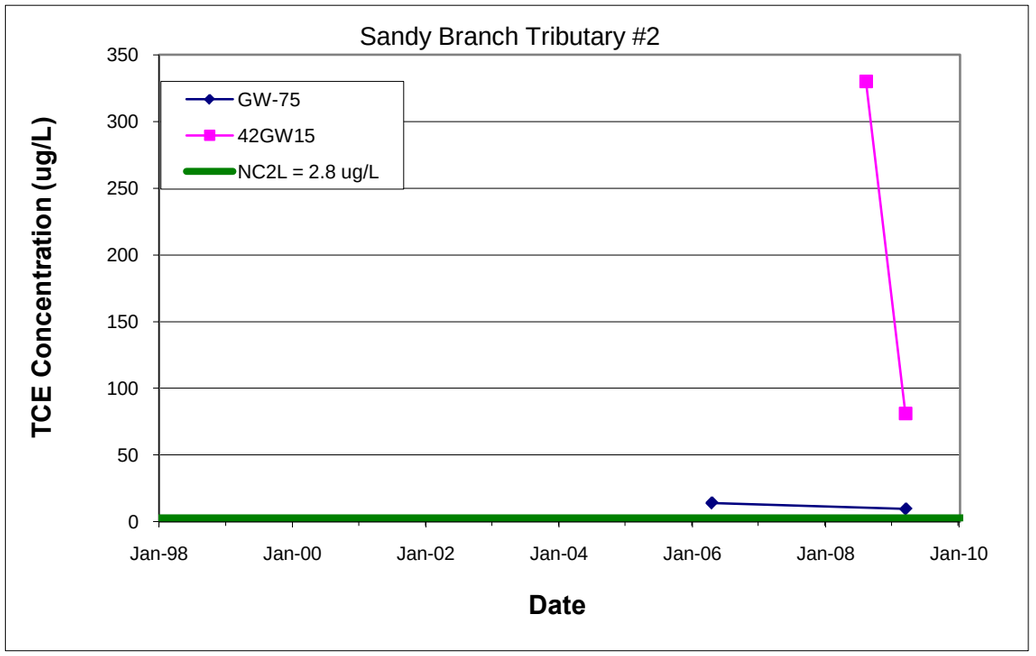


Chart E-2
Time Series Plot for TCE at IWTP
Marine Corps Air Station Cherry Point

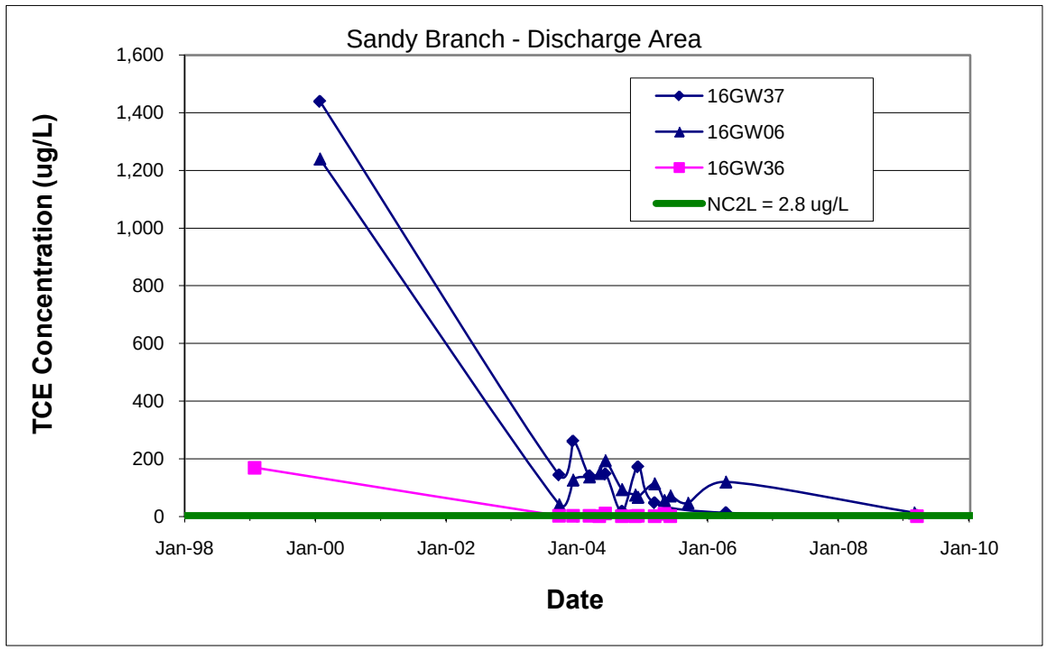
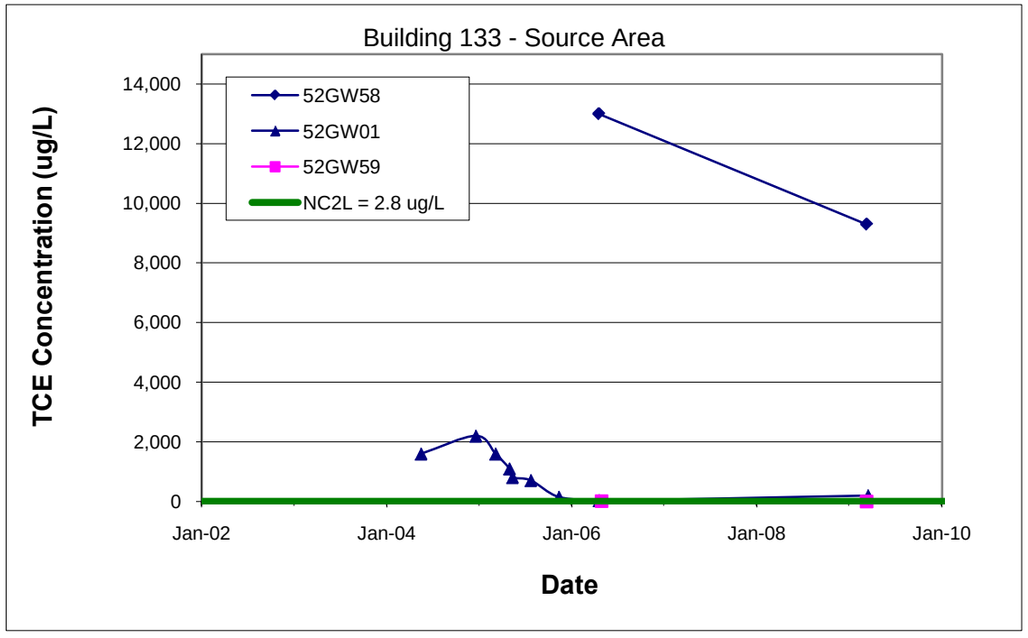
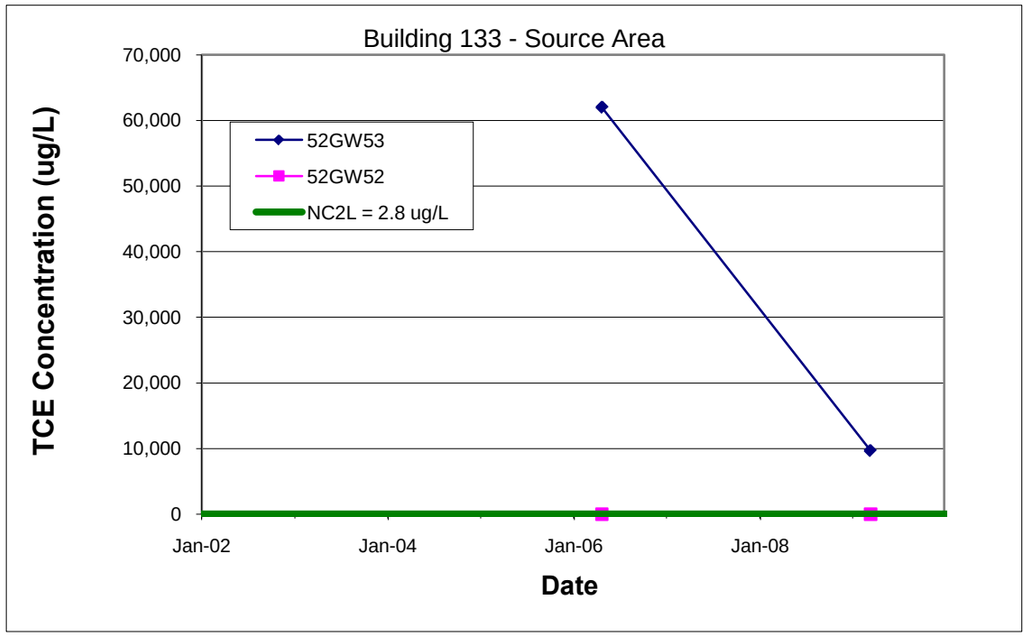
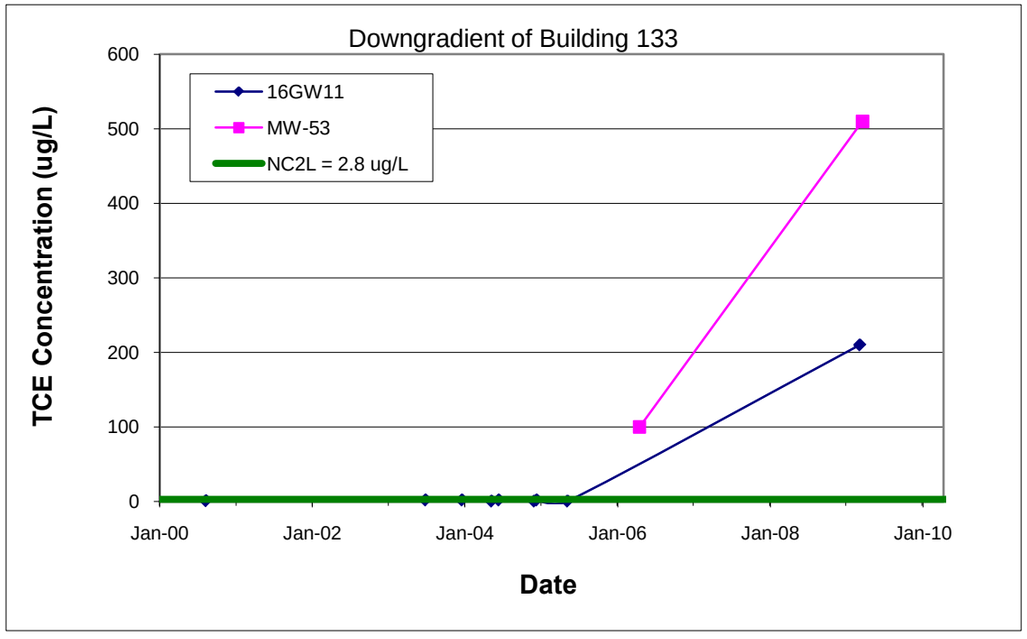


Chart E-2
Time Series Plot for TCE at IWTP
Marine Corps Air Station Cherry Point







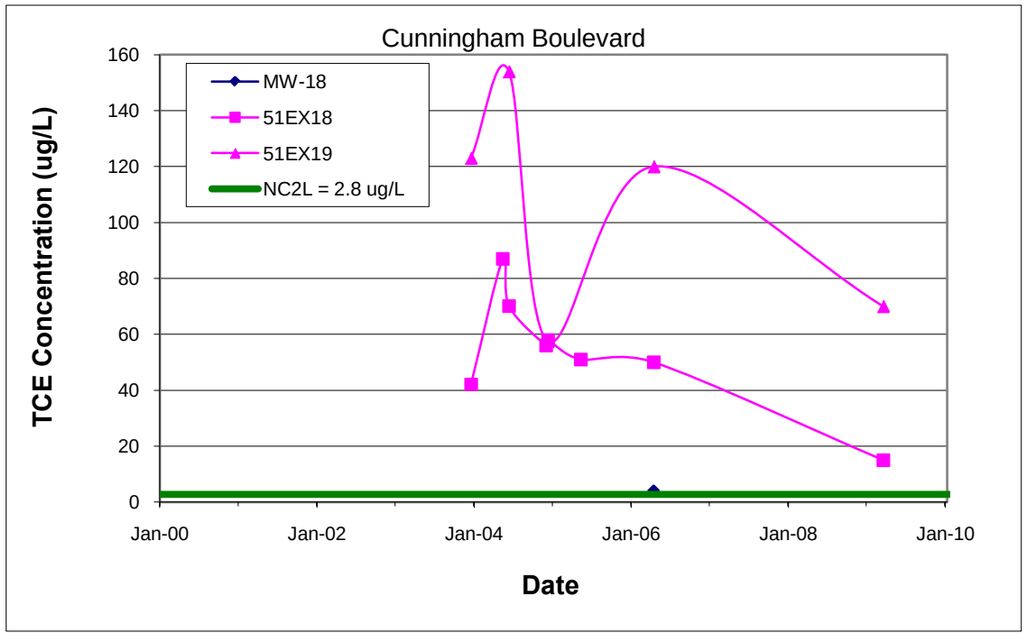
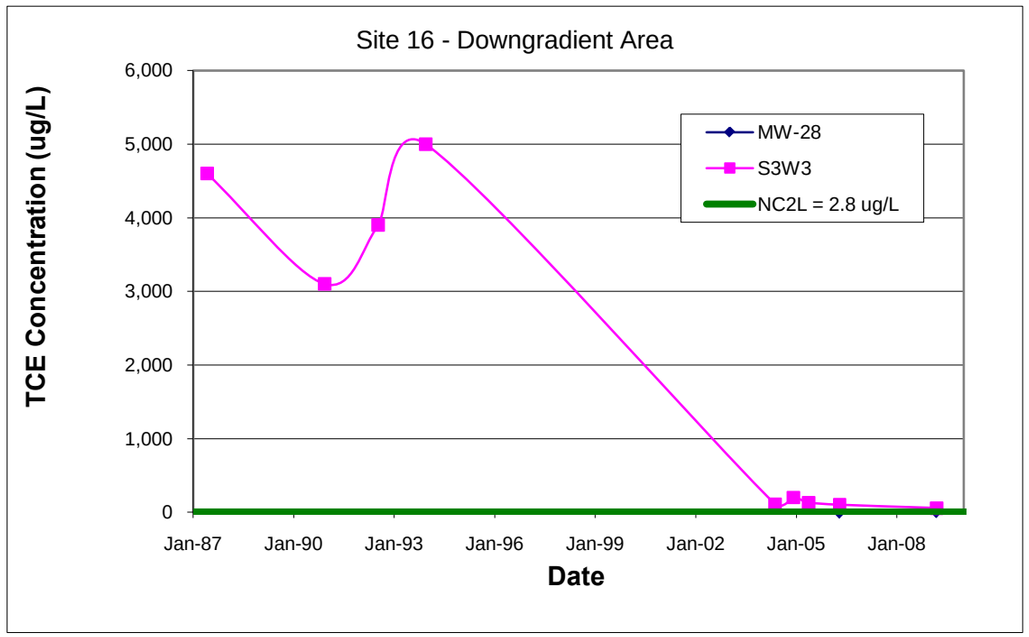
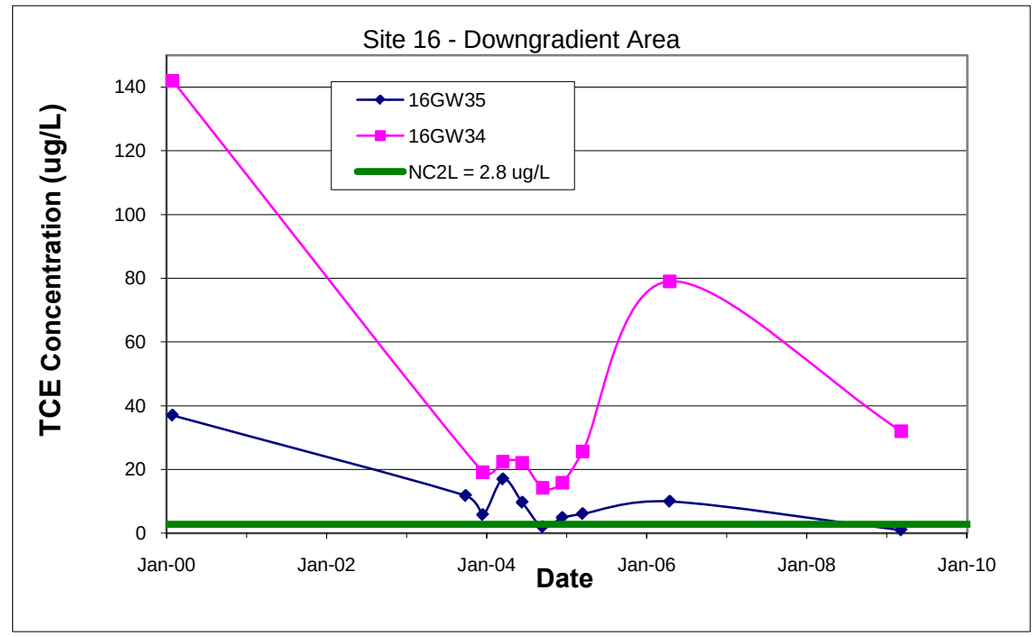
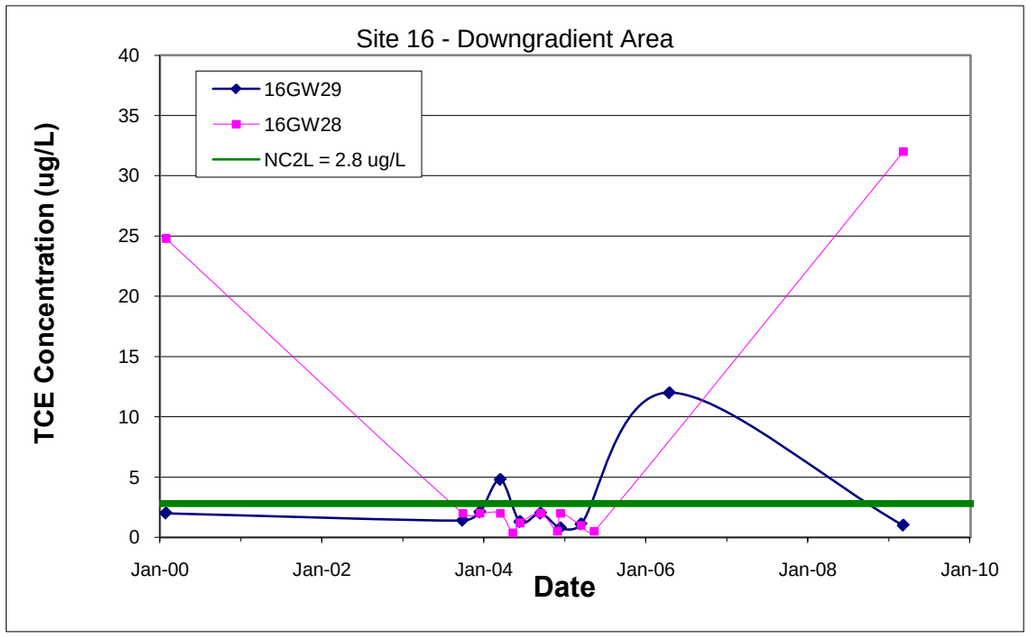


Chart E-3
Time Series Plot for TCE at Building 133
Marine Corps Air Station Cherry Point







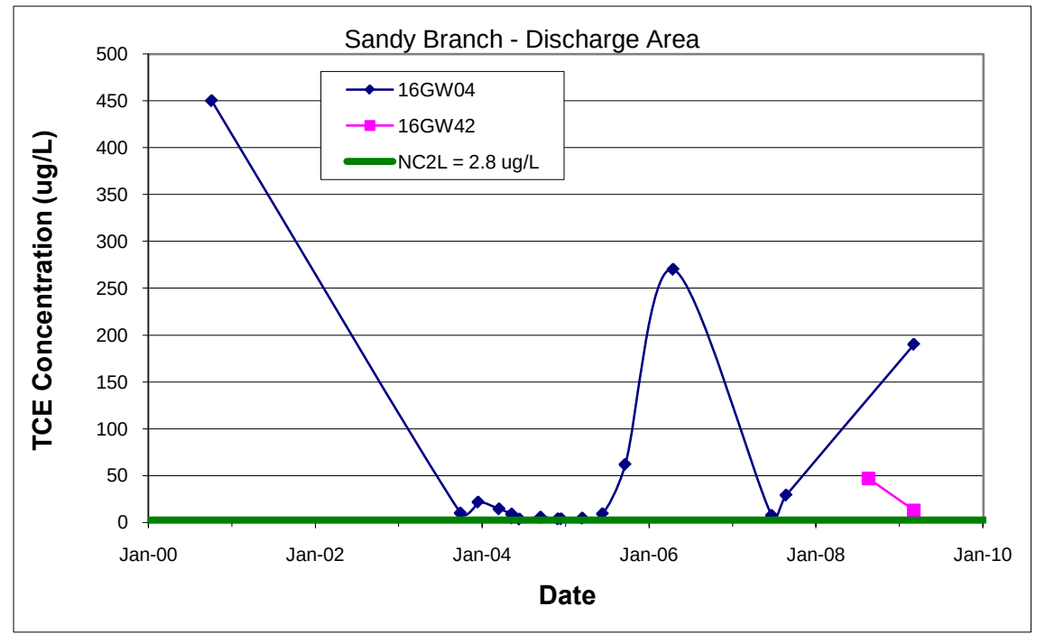


Chart E-3
Time Series Plot for TCE at Building 133
Marine Corps Air Station Cherry Point

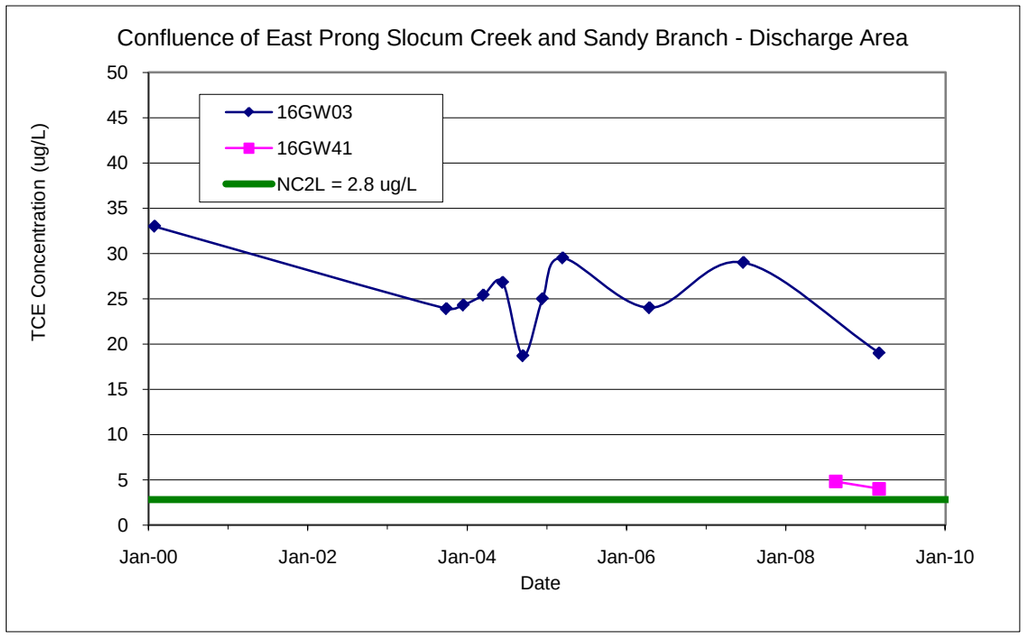
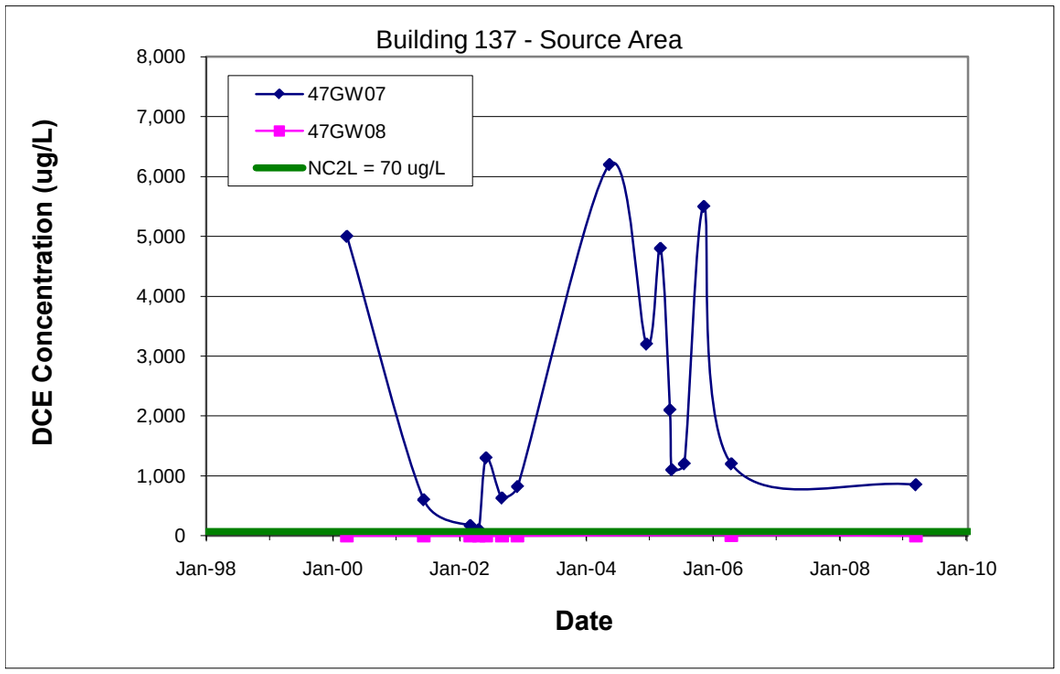


Chart E-3
Time Series Plot for TCE at Building 133
Marine Corps Air Station Cherry Point



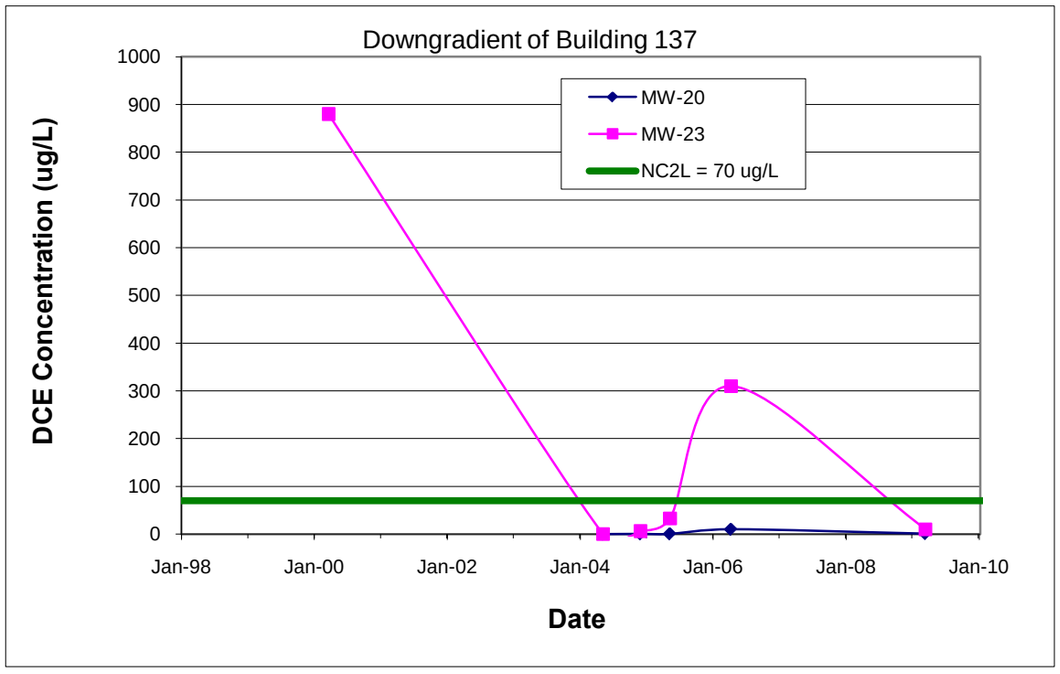
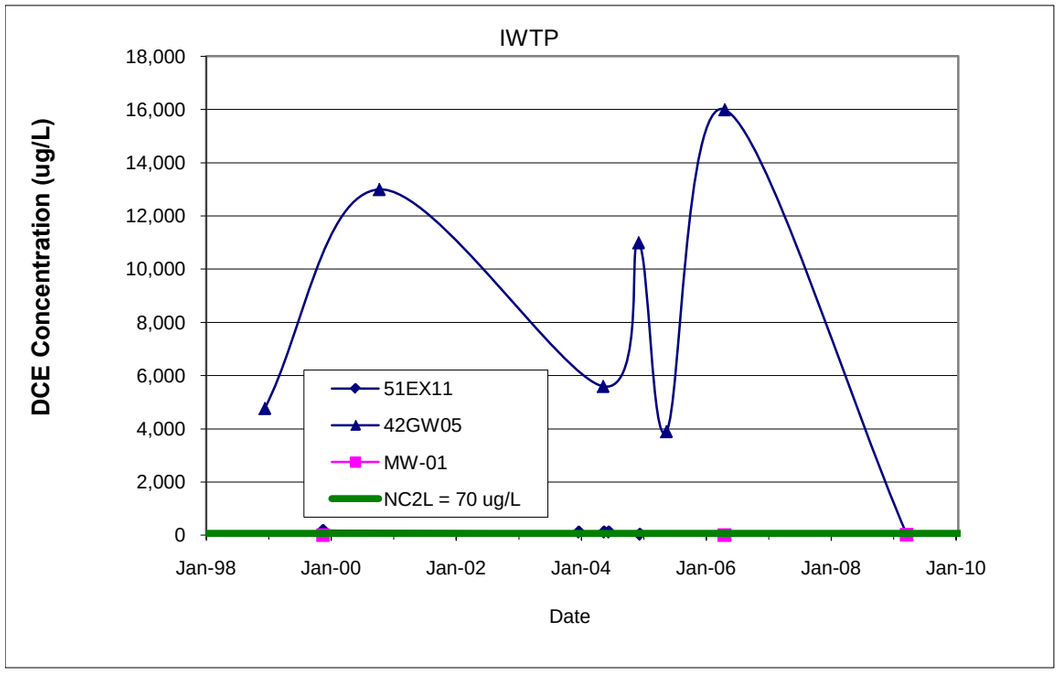
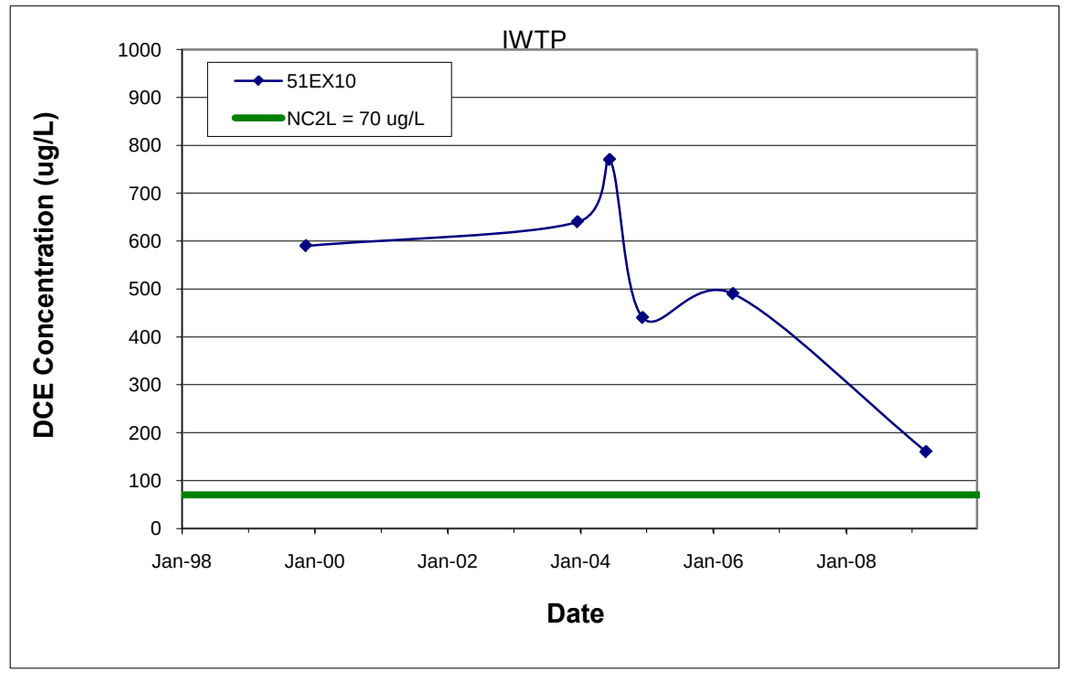
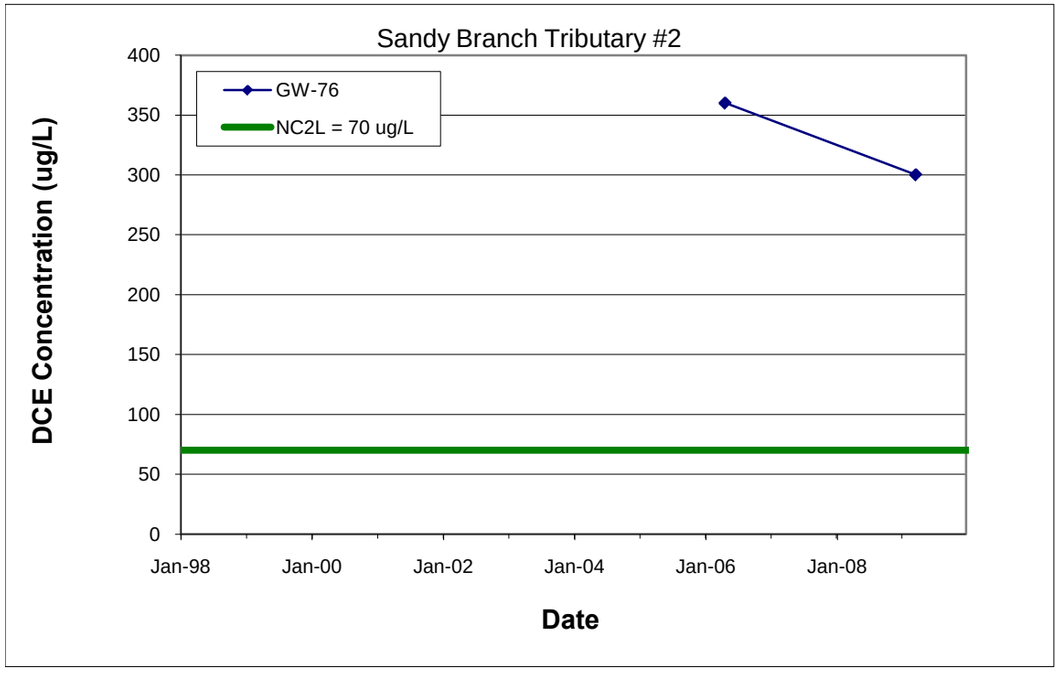


Chart E-4
Time Series Plot for 1,2-DCE at Building 137
Marine Corps Air Station Cherry Point







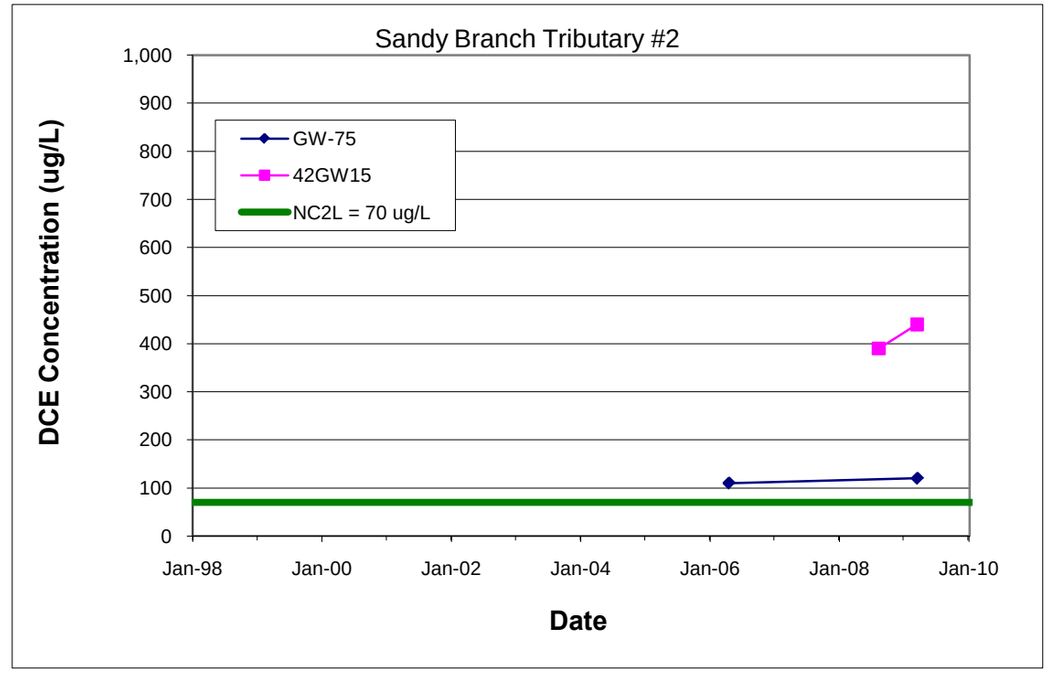


Chart E-5
Time Series Plot for 1,2 DCE at IWTP
Marine Corps Air Station Cherry Point

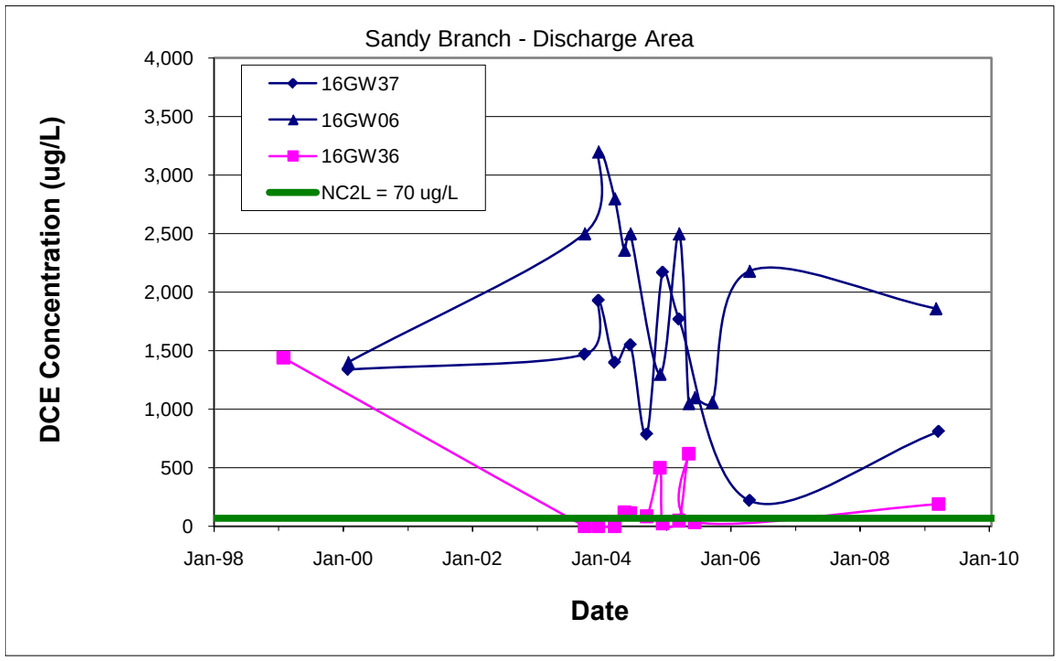
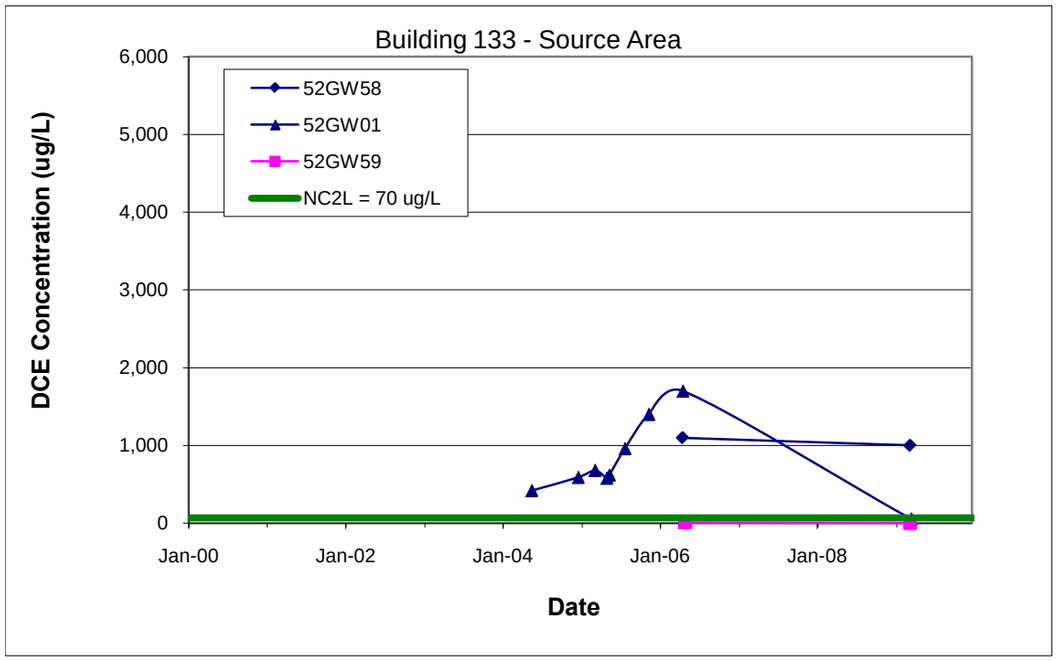
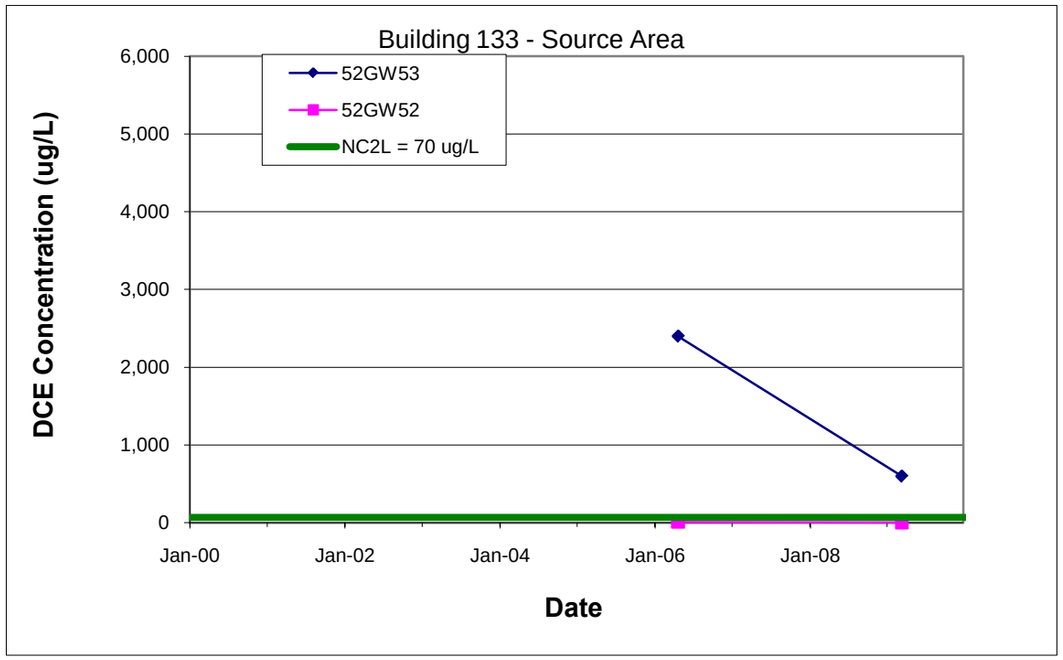
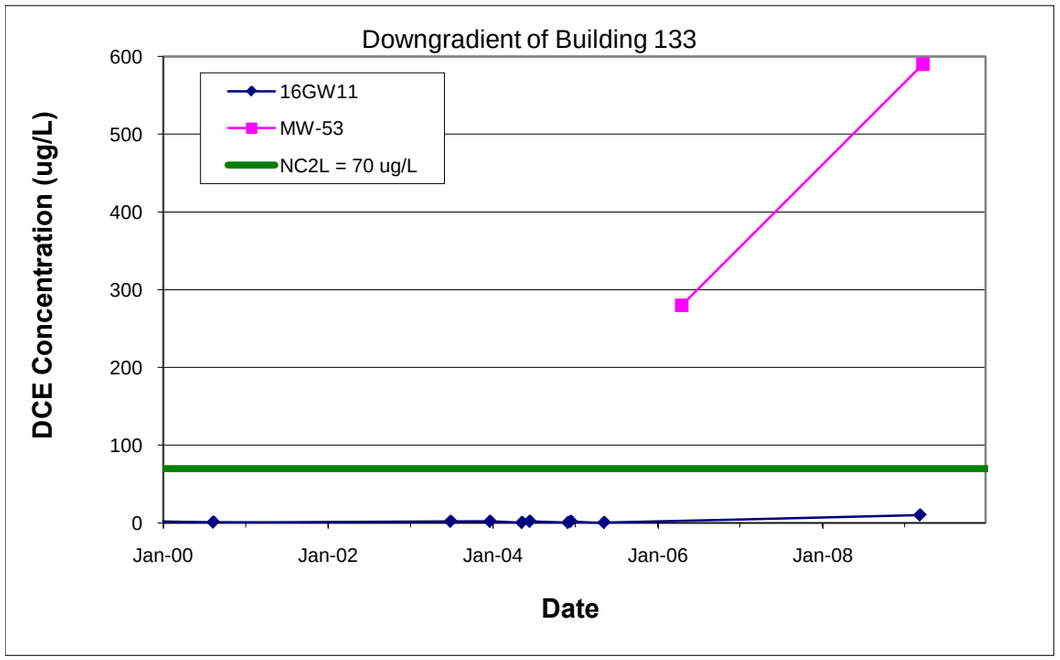


Chart E-5
Time Series Plot for 1,2 DCE at IWTP
Marine Corps Air Station Cherry Point







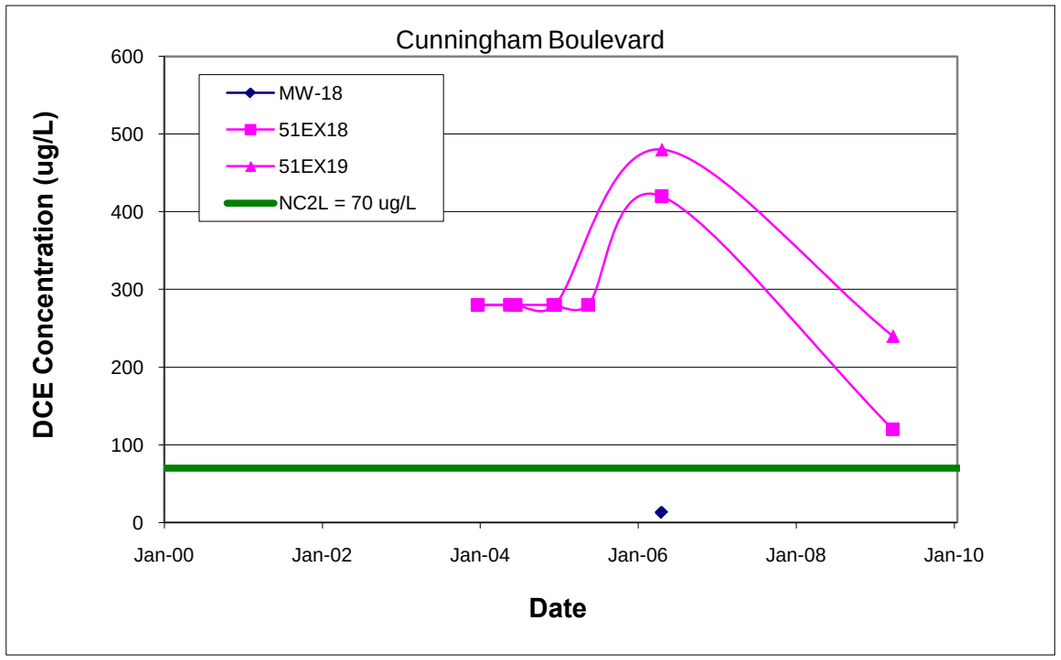
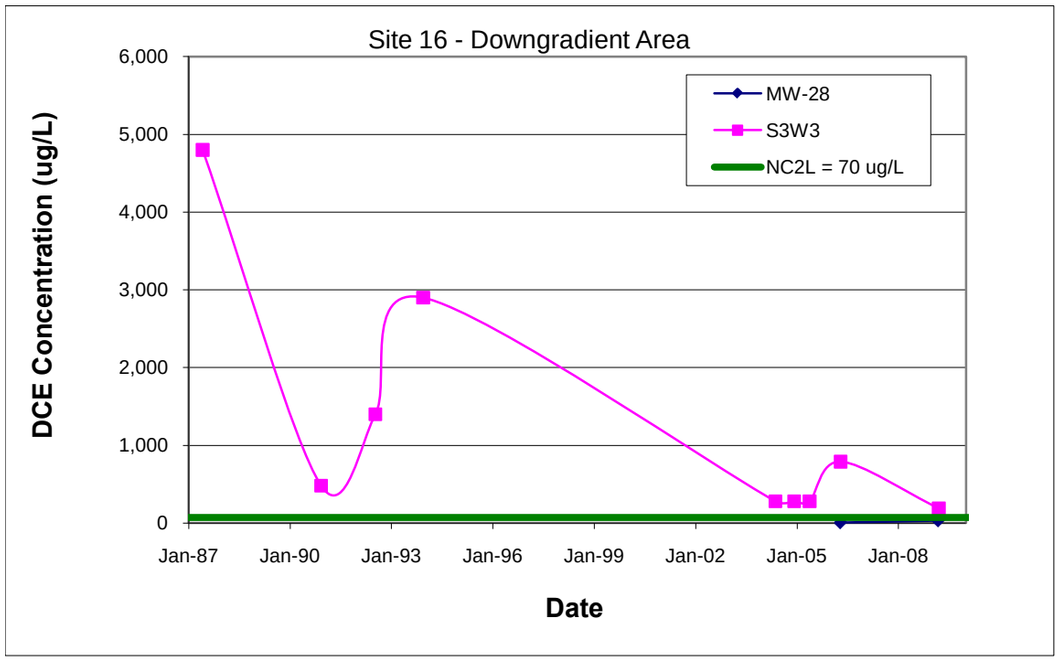
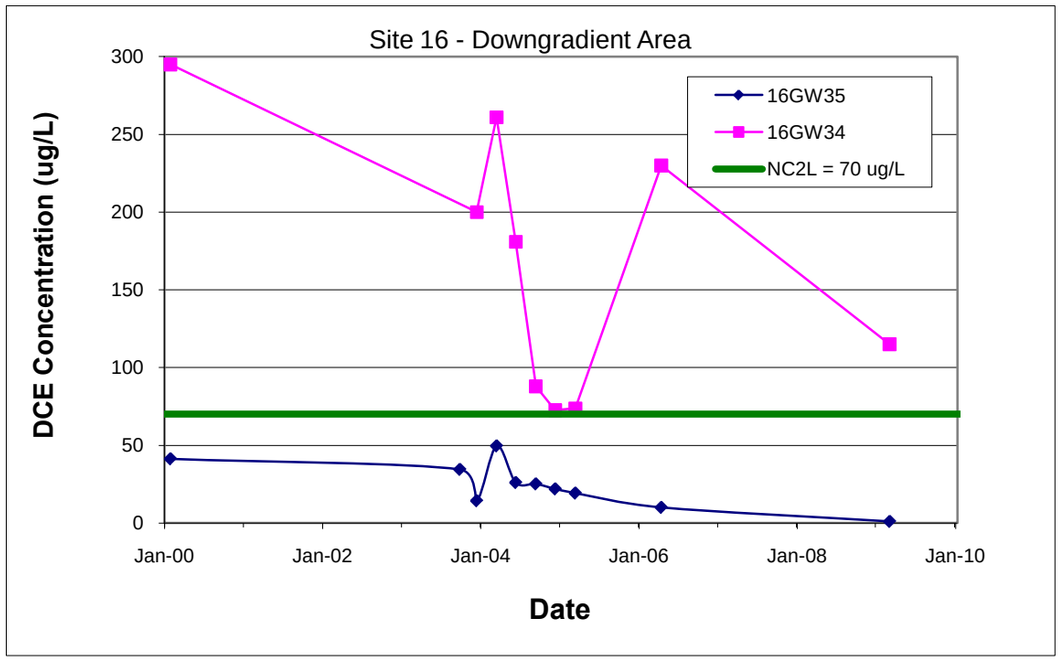
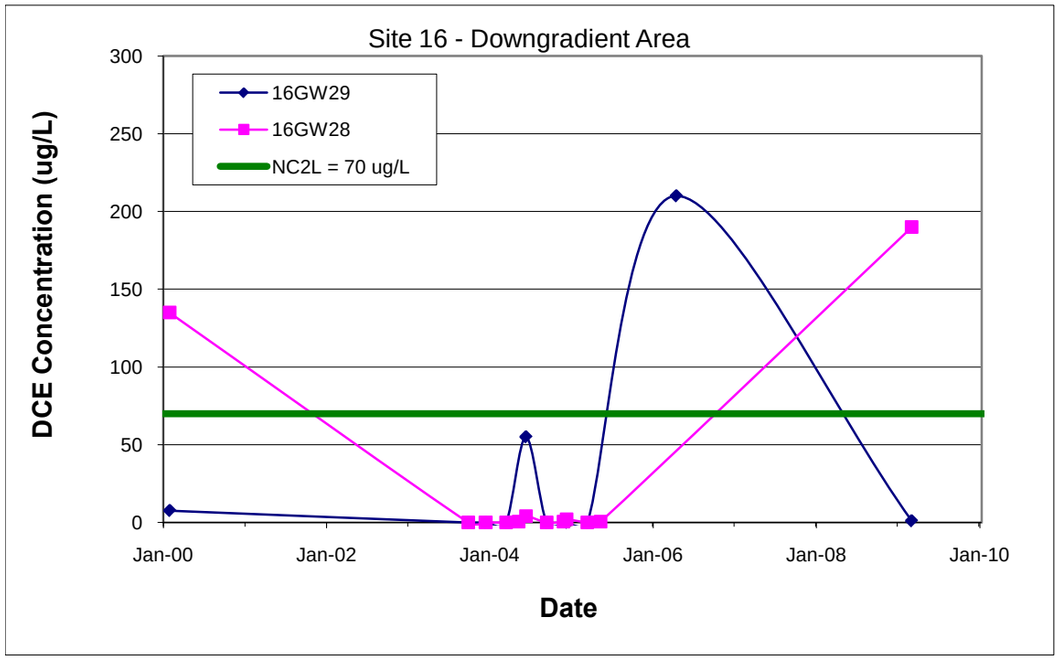


Chart E-6
Time Series Plot for 1,2-DCE at Building 133
Marine Corps Air Station Cherry Point







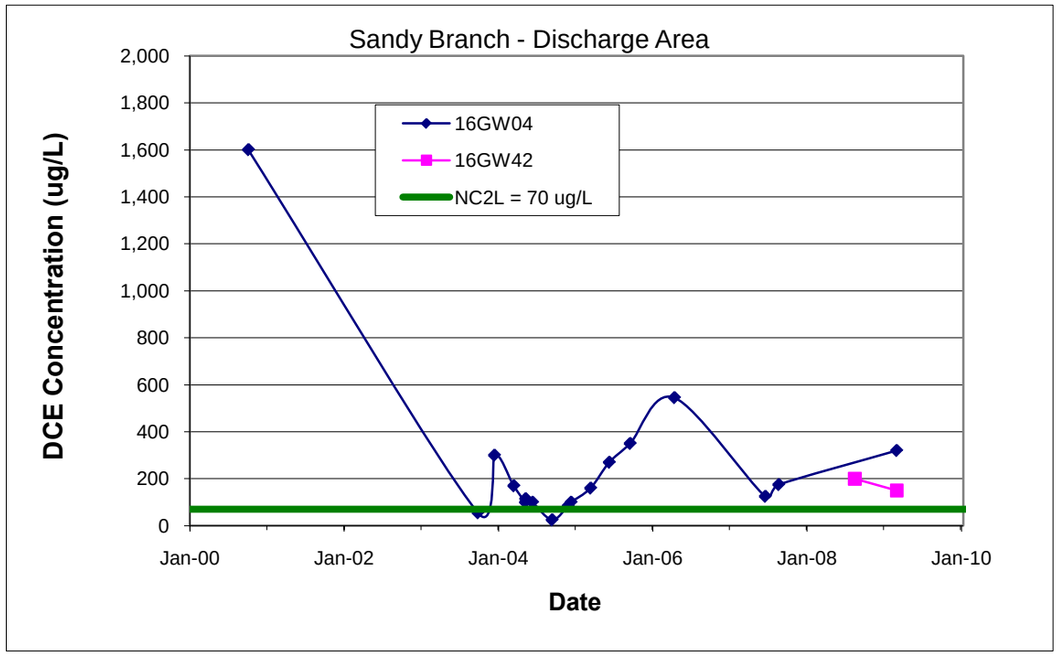


Chart E-6
Time Series Plot for 1,2-DCE at Building 133
Marine Corps Air Station Cherry Point

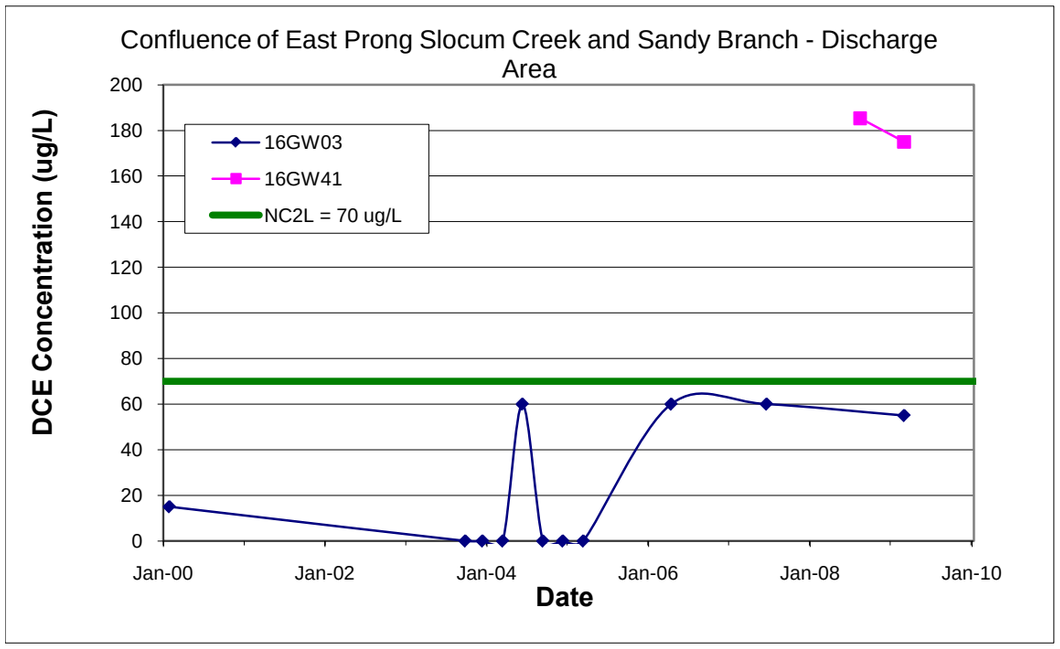
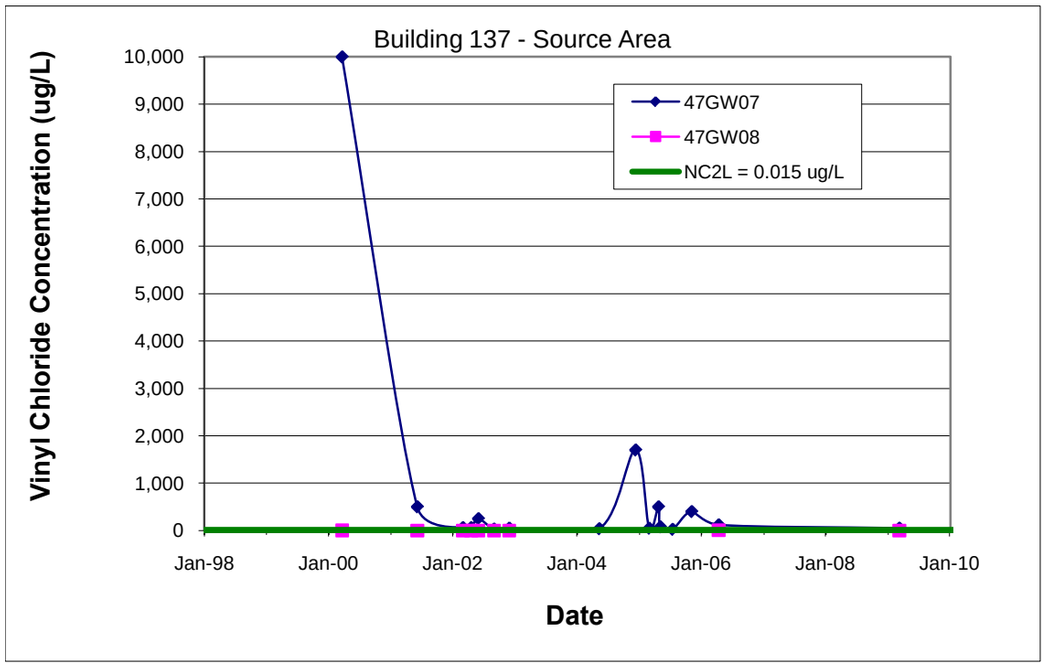


Chart E-6
Time Series Plot for 1,2-DCE at Building 133
Marine Corps Air Station Cherry Point



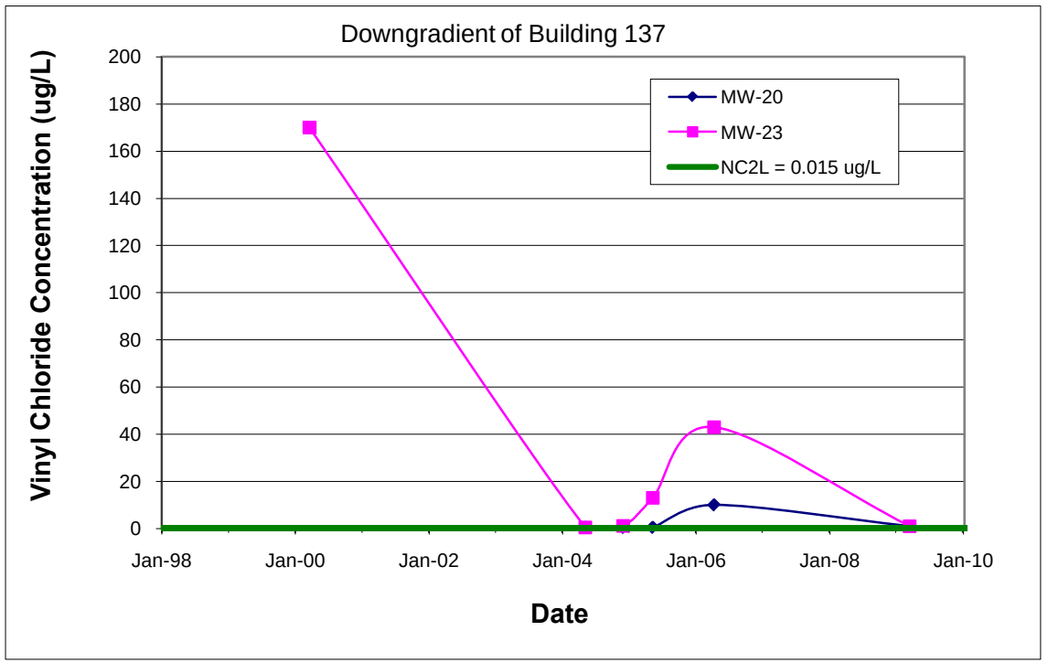
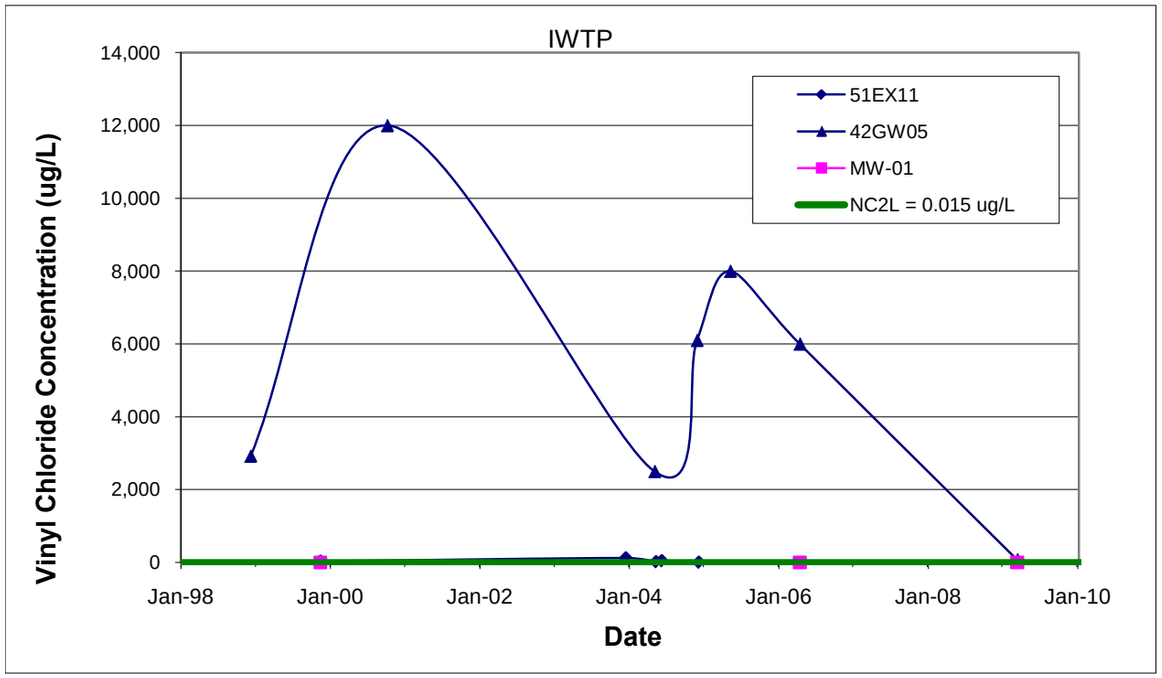
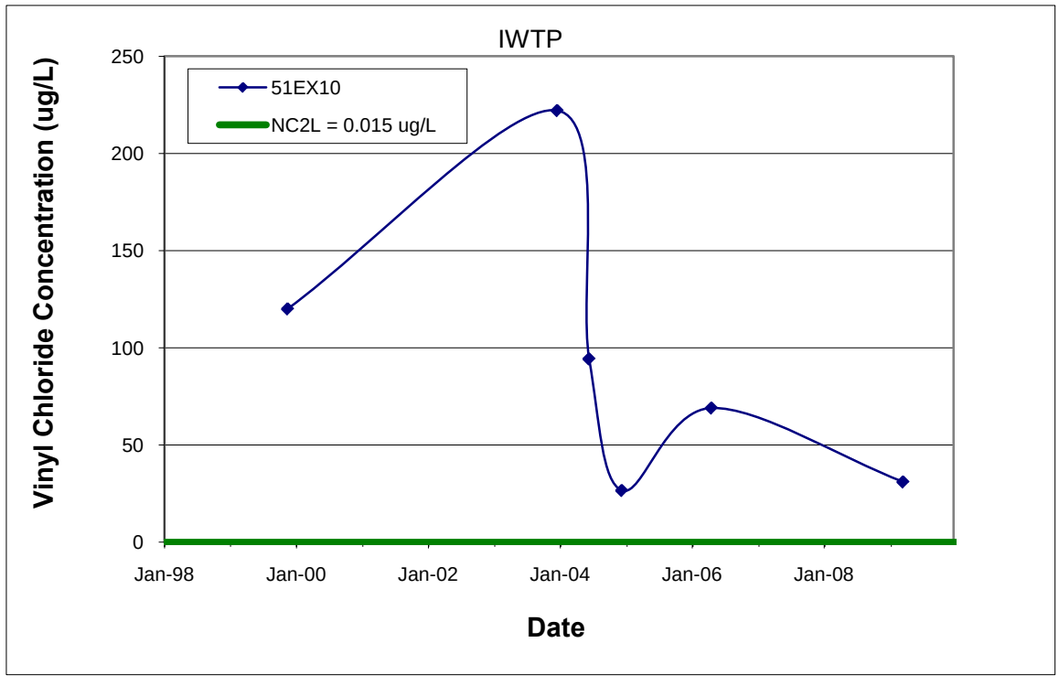
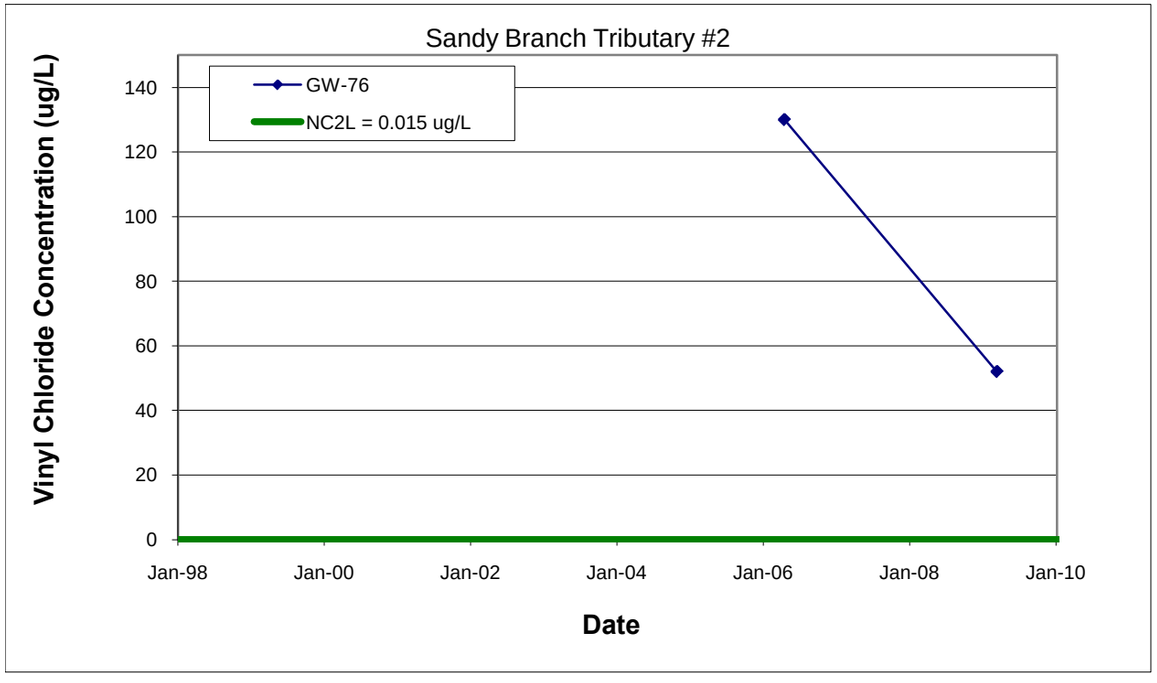


Chart E-7
Time Series Plot for Vinyl Chloride at Building 137
Marine Corps Air Station Cherry Point







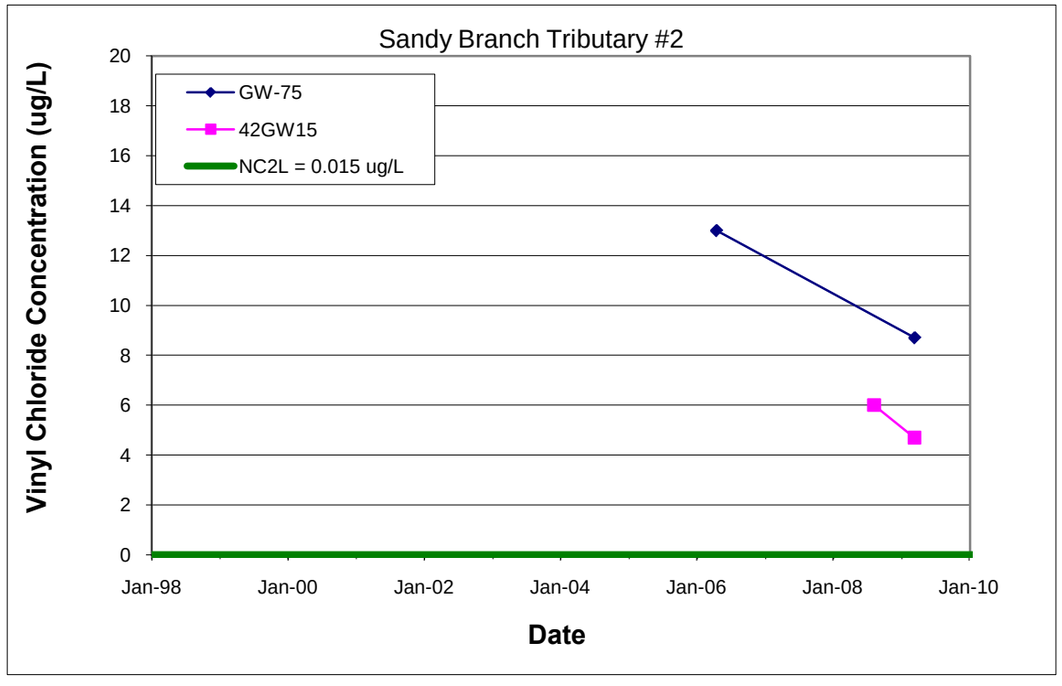


Chart E-8
Time Series Plot for Vinyl Chloride at IWTP
Marine Corps Air Station Cherry Point

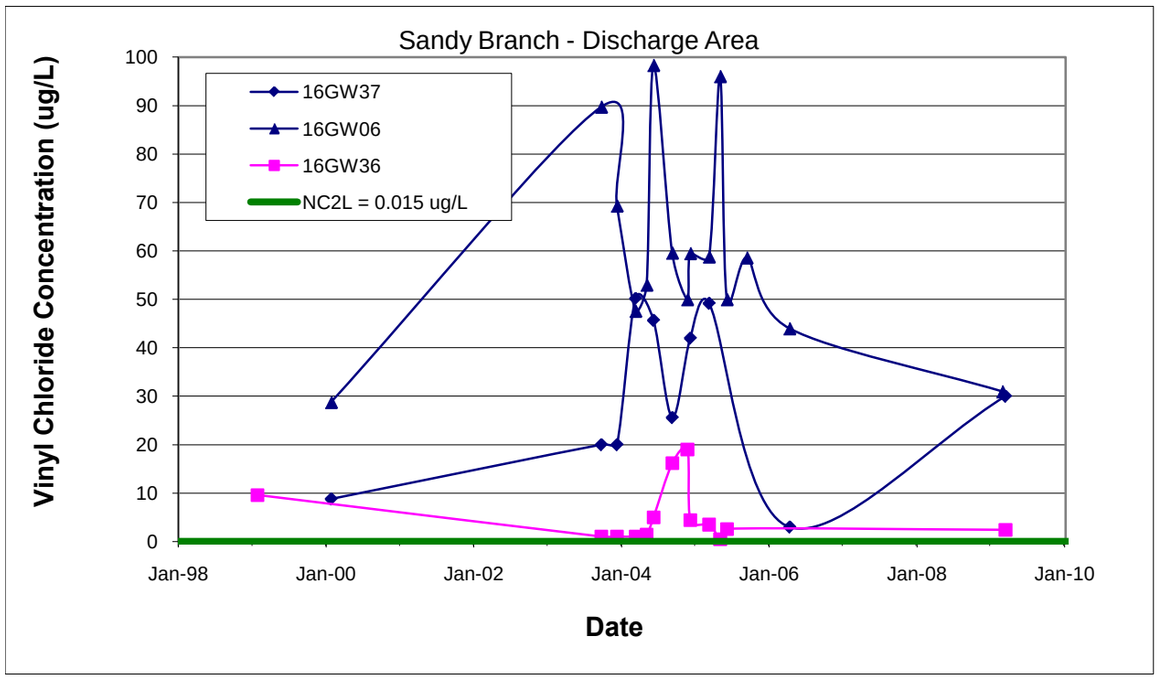
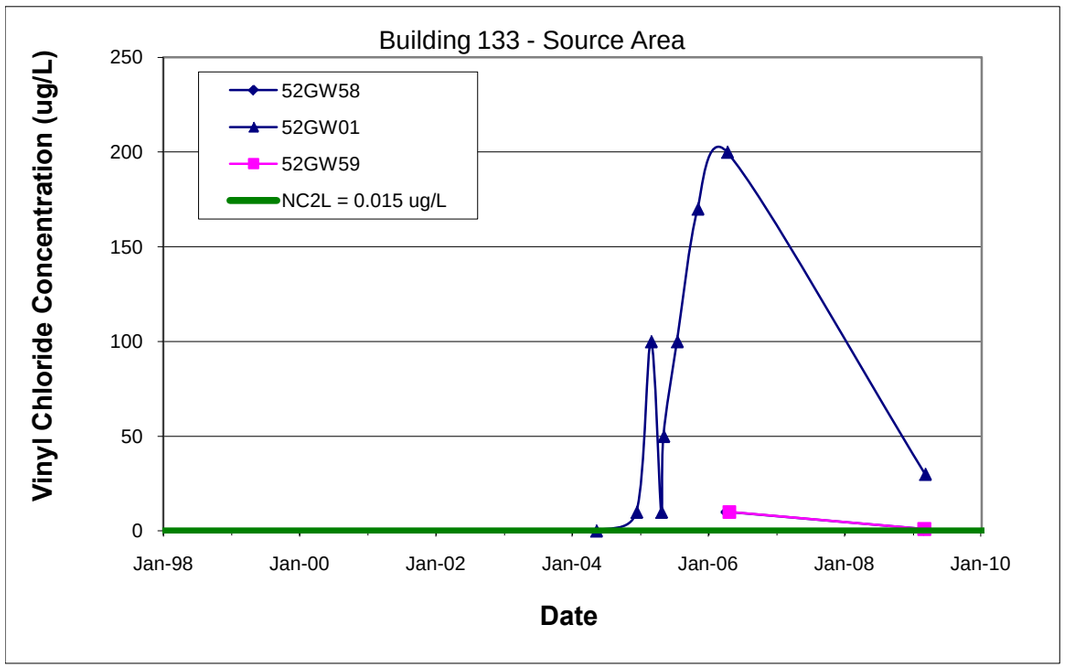
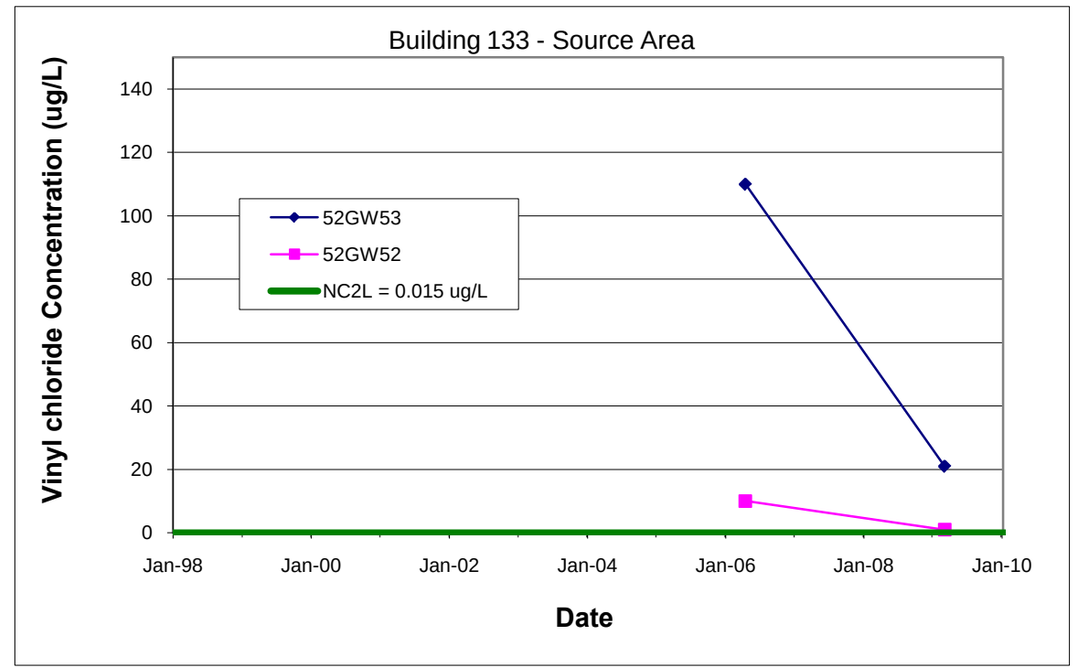
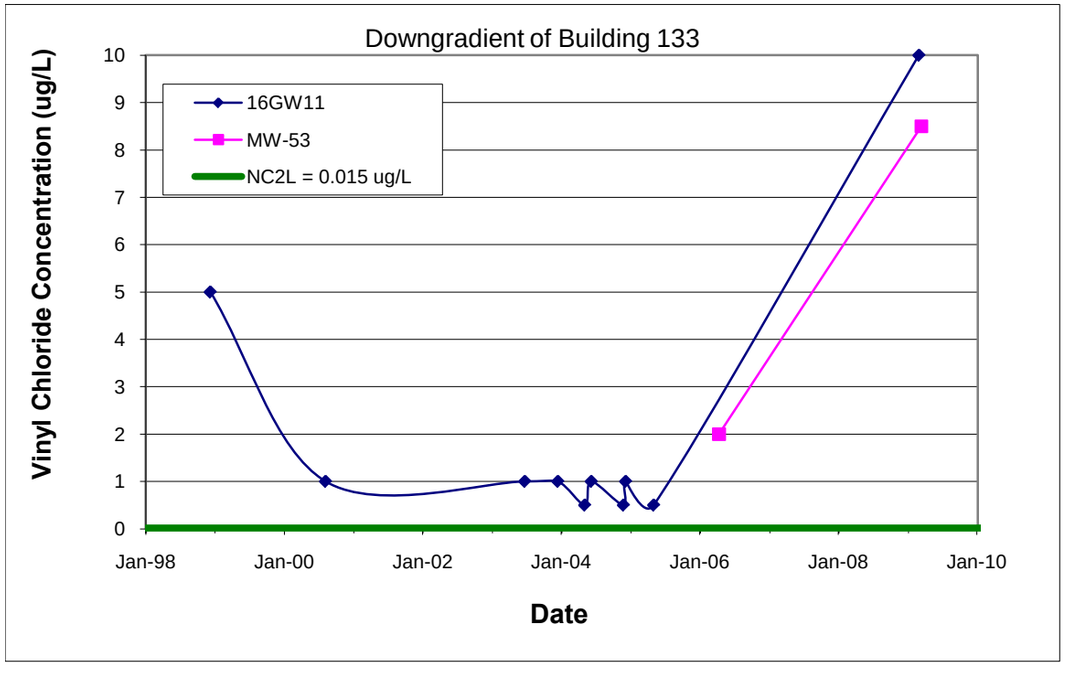


Chart E-8
Time Series Plot for Vinyl Chloride at IWTP
Marine Corps Air Station Cherry Point







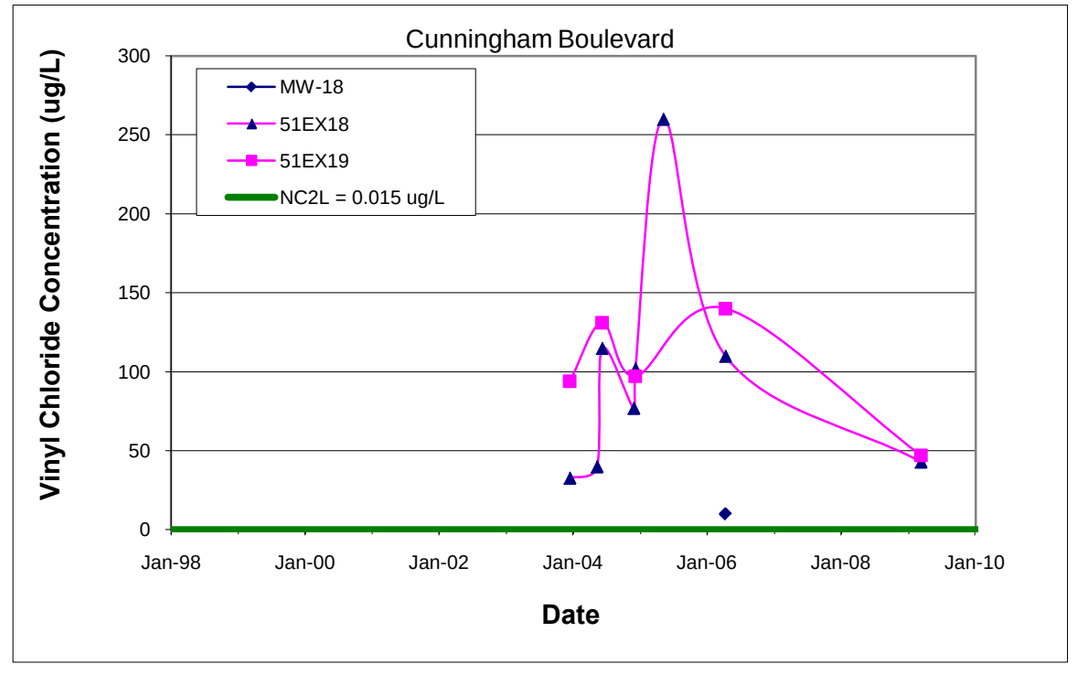
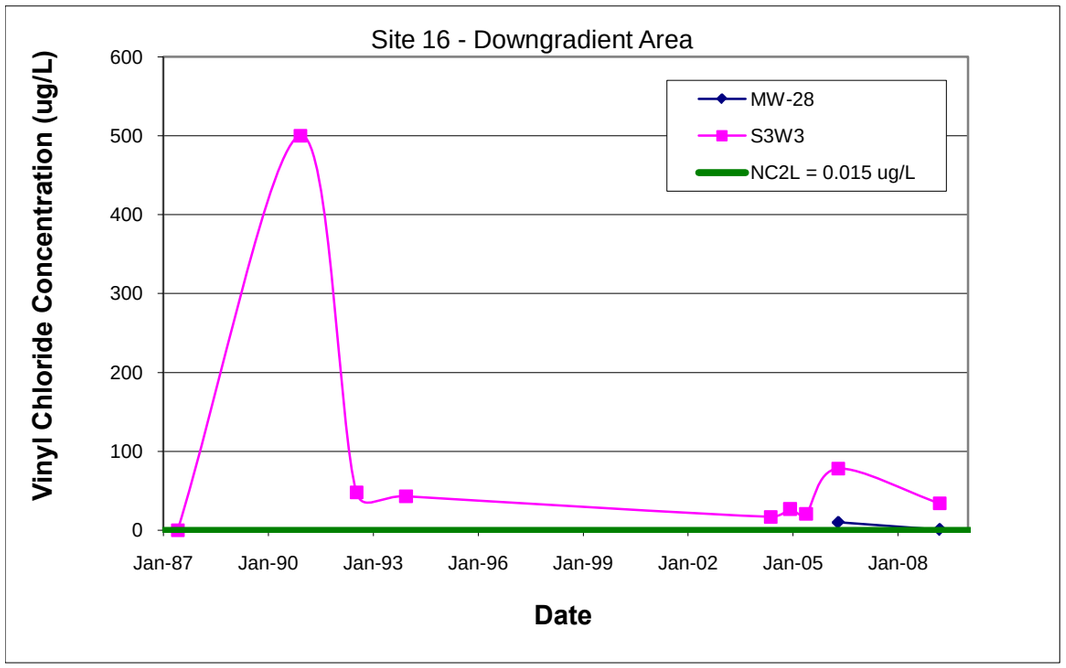
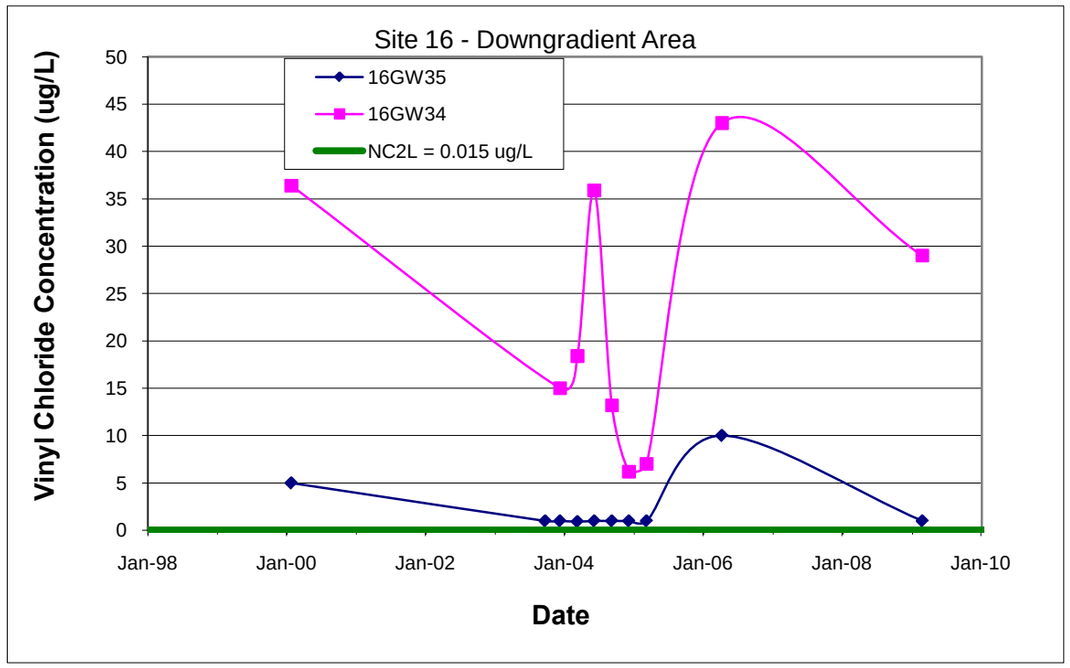
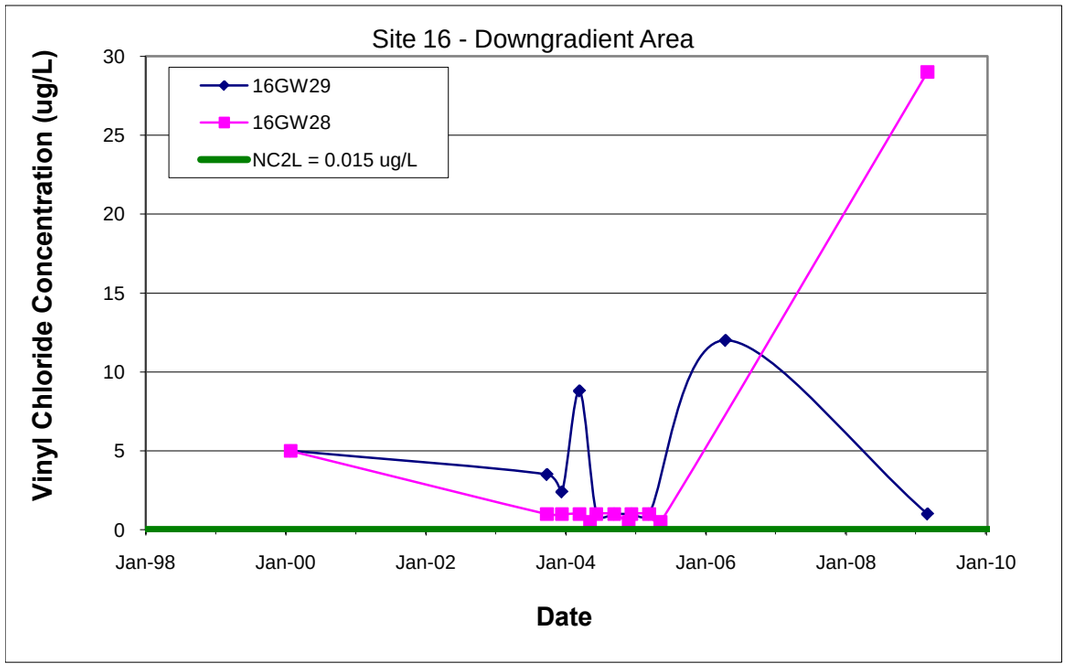


Chart E-9
Time Series Plot for Vinyl Chloride at Building 133
Marine Corps Air Station Cherry Point







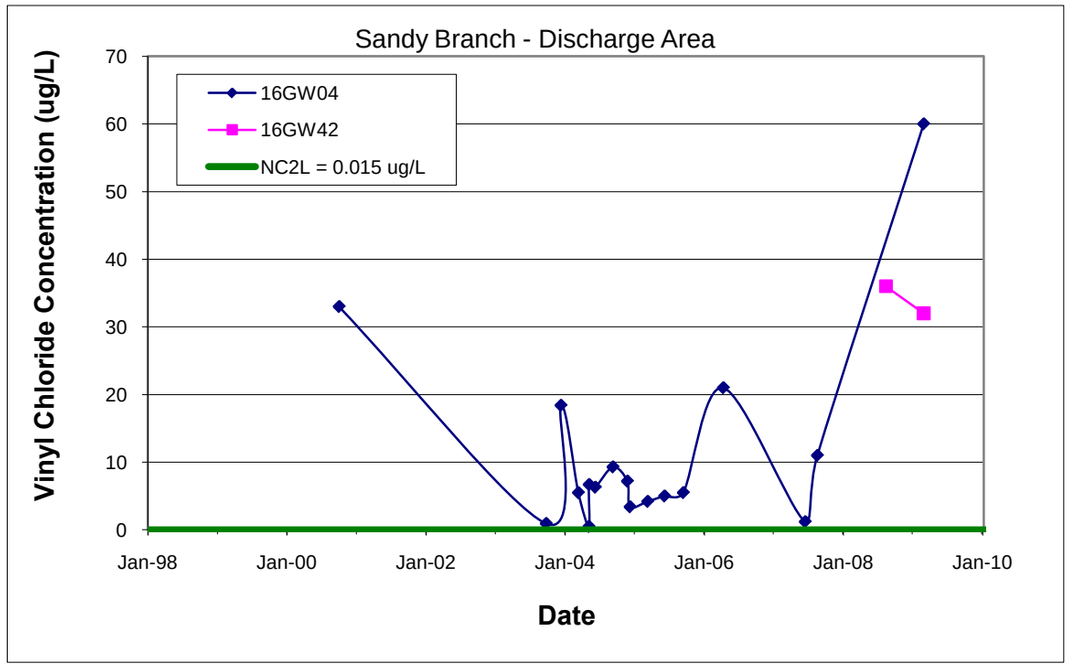


Chart E-9
Time Series Plot for Vinyl Chloride at Building 133
Marine Corps Air Station Cherry Point

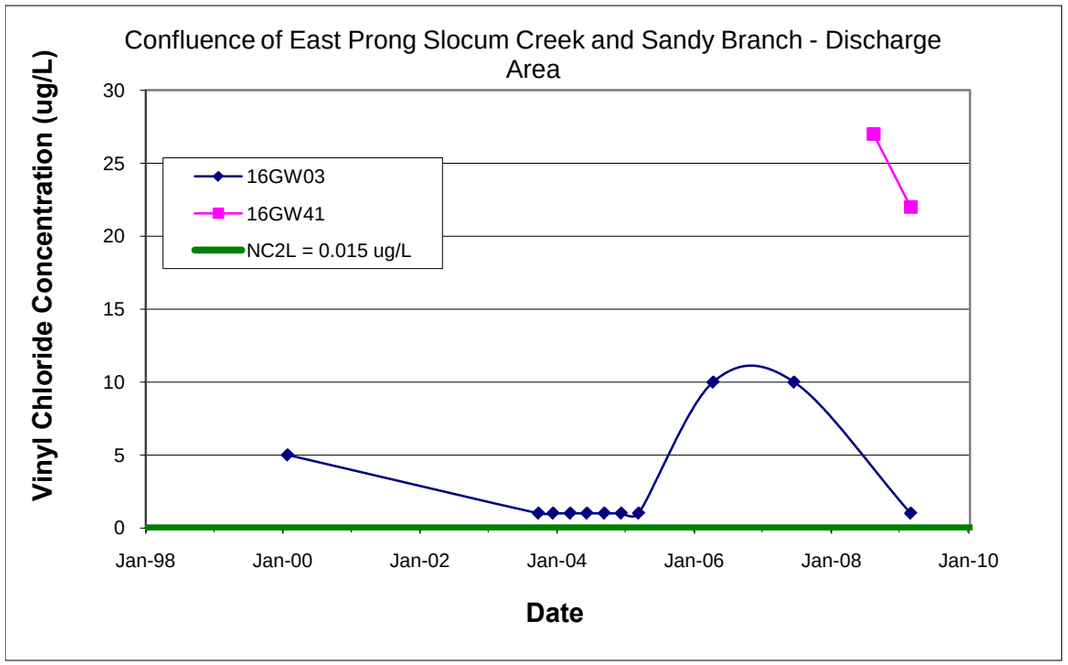


Chart E-9
Time Series Plot for Vinyl Chloride at Building 133
Marine Corps Air Station Cherry Point

Appendix B
Federal and North Carolina ARARs

TABLE B-1
Chemical-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Chemical-Specific ARARs			
Classification of contaminated groundwater	Groundwaters in the state naturally containing 250 mg/L or less of chloride are *classified as GA* under 15A NCAC 02L .0201(1)	Groundwaters located within the boundaries or under the extraterritorial jurisdiction of the State of North Carolina **— applicable**	15A NCAC 02L .0302(1)
Restoration of contaminated groundwater	Shall not exceed the groundwater quality standards[1] for contaminants specified in Paragraphs (g) or (h) for the site related contaminants of concern. Trichloroethene (TCE) (3 µg/L) Vinyl Chloride (0.03 µg/L) cis-1,2-Dichloroethene (cis-1,2-DCE) (70 µg/L) Tetrachloroethene (PCE) (0.7 µg/L) 1,1-Dichloroethane (1,1-DCA) (6 µg/L) 1,1,2,2-Tetrachloroethane (1,1,2,2-PCA) (0.2 µg/L) 1,2-Dichloroethane (1,2-DCA) (0.4 µg/L) 1,1-Dichloroethene (1,1-DCE) (7 µg/L) trans-1,2-Dichloroethene (trans-1,2-DCE) (100 µg/L) 1,1,1-Trichloroethane (1,1,1-TCA) (200 µg/L)	Class GA or GSA groundwaters with contaminant(s) concentrations exceeding standards listed in 15A NCAC 02L .0202 **— applicable**	15A NCAC 02L .0202(a) and (b)
	Shall not exceed the Safe Drinking Water Act National Revised Primary Drinking Water Regulations: maximum contaminant levels (MCLs) for organic contaminants specified in 40 CFR 141.61(a).	Groundwaters classified as GA or GSA which are an existing or potential source of drinking water**— relevant and appropriate**	40 CFR 141.61(a) 15A NCAC 18C .1517
Protection of surface water body	Monitor and undertake management practices for sources of pollution such that water quality standards and best usage of receiving waters and all downstream waters will not be impaired.	Indirect discharges of waste or other source of water pollution into surface waters classified as Class C[2] **— relevant and appropriate**	15A NCAC 02B .0203

[1] Groundwater quality standards established on the basis of a National secondary drinking water standards are not utilized as remediation goals since these are based on taste, odor and other considerations unrelated to human health.
[2] Schoolhouse Branch, Sandy Branch, and East Prong Slocum Creek are classified as Class C estuarine water by NCDENR. These waters are suitable for fish and wildlife and secondary recreation (i.e., not considered suitable for swimming or potable use).

TABLE B-1
Chemical-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Protection of adjacent surface water body	The concentrations of toxic substances, either alone or in combination with other wastes, in surface waters shall not render waters injurious to aquatic life or wildlife, recreational activities, public health, or impair the waters for any designated uses.	Nonpoint discharges into surface waters classified as Class C (see footnote 2) **— relevant and appropriate**	15A NCAC 02B .0208
	Toxic substances: shall not exceed the numerical quality standards (maximum permissible levels) to protect human health from carcinogens through consumption of fish (and shellfish).	Nonpoint discharges (containing toxic substances which are carcinogens) into surface waters classified as Class C (see footnote 2) **— relevant and appropriate**	15A NCAC 02B .0208(a)(2)B)
	Shall not exceed 25 NTU turbidity level (unless due to natural background conditions).	Nonpoint discharges into surface waters classified as Class C in 15A NCAC 02B .0211 **— relevant and appropriate**	15A NCAC 02B .0211(3)(k)
	Toxic substances: shall not exceed the numerical quality standards (maximum permissible levels) provided in subparagraphs (i) through (xi) to protect aquatic life.	**relevant and appropriate**	15A NCAC 02B .0211(3)(l)

TABLE B-2
Location-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Location-Specific ARARs			
Presence of floodplain designated as such on a map	Shall consider alternatives to avoid, to the extent possible adverse effects and incompatible development in the floodplain.	Federal actions that involve potential impacts to, or take place within, floodplains—**TBC**	Executive Order 11988 Section 2(a)(2)
Presence of federally endangered or threatened species, as designated in 50 CFR 17.11 and 17.12 -or- critical habitat of such species listed in 50 CFR 17.95	Actions that jeopardize the existence of a listed species or results in the destruction or adverse modification of critical habitat must be avoided or reasonable and prudent mitigation measures taken.	Action that is likely to jeopardize fish, wildlife, or plant species or destroy or adversely modify critical habitat - **Applicable**	16 USC 1531 et seq., Sect. 7(a)(2)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
General Construction Standards — All Land-disturbing Activities (i.e., excavation, clearing, grading, etc.)			
Managing fugitive dust emissions	Shall not cause or allow fugitive dust emissions to cause or contribute to substantive complaints, or visible emissions in excess of that allowed under paragraph (e) of this Rule.	Activities within facility boundary that will generate fugitive dust emissions **— relevant and appropriate**	15A NCAC 02D .0540(c)
	Implement methods (e.g. wetting dry soils and keeping roads clean of soil) to control dust emissions that could travel beyond the facility boundary.	**relevant and appropriate**	15A NCAC 02D .0540(g)
Monitoring Well Installation, Operation, and Abandonment			
Construction of groundwater monitoring well(s)	No well shall be located, constructed, operated, or repaired in any manner that may adversely impact the quality of groundwater.	Installation of wells (including temporary) other than for water supply **— applicable**	15A NCAC 02C .0108(a)
	Shall be located, designed, constructed, operated and abandoned with materials and by methods which are compatible with the chemical and physical properties of the contaminants involved, specific site conditions, and specific subsurface conditions.	**Applicable**	15A NCAC 02C .0108(c)
	Must comply with general requirements for construction of a well as provided in 15A NCAC 02C .0108(c)(1) through (12)	**Applicable**	15A NCAC 02C .0108(c)
	Shall be constructed in such a manner as to preclude the vertical migration of contaminants with and along borehole channel.	**Applicable**	15A NCAC 02C .0108(f)
Implementation of groundwater monitoring system	Shall be constructed in a manner that will not result in contamination of adjacent groundwaters of a higher quality.	Installation of monitoring system to evaluate effects of any actions taken to restore groundwater quality, as well as the efficacy of treatment **— applicable**	15A NCAC 02L .0110 (b)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Maintenance of groundwater monitoring well(s)	Every well shall be maintained by the owner in a condition whereby it will conserve and protect groundwater resources, and whereby it will not be a source or channel of contamination or pollution to the water supply or any aquifer.	Installation of wells (including temporary wells) other than for water supply **— applicable**	15A NCAC 02C .0112(a)
	Broken, punctured, or otherwise defective or unserviceable casing, screens, fixtures, seals, or any part of the well head shall be repaired or replaced, or the well shall be abandoned pursuant to 15A NCAC 02C .0113	**applicable**	15A NCAC 02C .0112(c)
	All materials used in the maintenance, replacement, or repair of any well shall meet the requirements for new installation.	**applicable**	15A NCAC 02C .0112(b)
Abandonment of groundwater monitoring well(s)	Shall be abandoned in accordance with the requirements of 15A NCAC 02C .0113(b)(1) and (2)	Permanent abandonment of wells (including temporary wells) other than for water supply **— applicable**	15A NCAC 02C .0113(b)
Underground Injection Well Installation, Operation, and Abandonment			
Construction of injection well(s) for *in-situ* treatment of groundwater	Construction, use or operation may be allowed provided the injected material does not contain any waste or any substance of a composition and concentration such that, if it were discharged to the land or waters of the state, would create a threat to human health or would otherwise render those waters unsuitable for their intended usage.	Installation of Class 5 underground injection well (Type I – In-situ Groundwater Remediation Well) **— applicable**	15A NCAC 02C .0209(e)(3)
	Shall provide information on the injection well, procedure, and material otherwise required for obtaining a permit in the Remedial Design or Remedial Action Work Plan.	**Applicable**	15A NCAC 02C .0211(d)(3)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Location of injection well(s) for *in-situ* treatment of groundwater	Shall not be located in an area generally subject to flooding. Areas which are generally subject to flooding include those with concave slope, alluvial or colluvial soils, gullies, depressions, and drainage ways.	Installation of Class 5 underground injection well (Type I – In-situ Groundwater Remediation Well) **— applicable**	15A NCAC 02C .0213(a)(1)
	Shall not be located at a point where the injectant would degrade the existing quality of the groundwater in the water-bearing unit into which the injectant is being released.	Installation of Class 5 underground injection well (Type I – In-situ Groundwater Remediation Well) where the concentration of any component of the injectant *exceeds* the groundwater quality standards specified in 15A NCAC 2L .0202 **— applicable**	15A NCAC 02C .0213(a)(2)(A)(i)
	Shall not be located at a point where the injectant would result in a contravention of any of the aforementioned groundwater quality standards in the water-bearing unit into which the injectant is being released.	Installation of Class 5 underground injection well (Type I – In-situ Groundwater Remediation Well) where the concentration of any component of the injectant *is less than* the groundwater quality standards specified in 15A NCAC 2L .0202 **— applicable**	15A NCAC 02C .0213(a)(2)(B)
Construction of injection well(s) for *in-situ* treatment of groundwater	Shall follow the procedures, methods, specified materials, and requirements specified in the subparagraphs (A) through (G) of this Rule for Drilling, Casing, Screens and Testing.	Installation of Class 5 underground injection well (Type I – In-situ Groundwater Remediation Well) **— applicable**	15A NCAC 02C .0213(c)(1) through (4)
	Shall follow the procedures, methods, specified materials, and requirements specified in the paragraphs (1) through (8) of this Rule for Grouting and Sand-and-Gravel Packing.	**applicable**	15A NCAC 02C .0213(d)
Operating an injection well(s) for *in-situ* treatment of groundwater	Pressure at the well head shall be limited to a maximum which will ensure the pressure in the injection zone does not initiate new fractures or propagate existing fractures in the injection zone, initiate fractures in the confining zone, or cause the migration of injected or formation fluids outside the injection zone or area.	**applicable**	15A NCAC 02C .0213(e)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Abandonment of injection well(s) for *in-situ* treatment of groundwater	Shall be abandoned in accordance with the requirements of subparagraphs (1) and (2) of 15A NCAC 02C .0114.	Installation of Class 5 underground injection well (Type I – In-situ Groundwater Remediation Well *or* Type 5L Closed-Loop Groundwater Remediation Well), including exploratory or test wells **— applicable**	15A NCAC 02C .0215(a)
Control of Diffuse VOC Emissions from Groundwater Treatment			
Emissions of VOCs from groundwater treatment (e.g., sparging system)	Shall not emit any of the toxic air pollutants listed in the table of the Rule in such quantities that may cause or contribute beyond the premises (adjacent property boundary) to any significant ambient air concentration that may adversely affect human health.	Emissions of toxic air pollutants (e.g., VOCs) from facility into the ambient air **— applicable**	15A NCAC 02D .1104
	Shall install and operate reasonable available control technology to limit emissions of VOCs.	Air emissions of VOCs from facilities where there is no other applicable emissions control rule **— relevant and appropriate**	15A NCAC 02D .0951(c)
	One of the applicable test methods in Appendix M in 40 CFR part 51 or Appendix A in 40 CFR Part 60 shall be used to determine compliance with VOC emission standards.	VOC emission source not covered by 15A NCAC 02D.2613(b) through (e) **— relevant and appropriate**	15A NCAC 02D .2613(g)
	Control emissions by meeting limitations and work practice standards reflecting application of the maximum achievable control technology. Periodic inspection of equipment and monitoring are required for the life of the remediation.	Air emissions of organic Hazardous Air Pollutants (e.g.,VOCs) from site remediation **— relevant and appropriate**	40 CFR 63 Subpart GGGGG, NESHAPS for Site Remediation

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Waste Characterization and Storage — Primary Wastes (i.e., excavated contaminated soils)			
Characterization of solid waste (e.g., well soil cuttings)	Must determine if solid waste is hazardous waste or if waste is excluded under 40 CFR 261.4(b); and	Generation of solid waste as defined in 40 CFR 261.2 and which is not excluded under 40 CFR 261.4(a) —**applicable**	40 CFR 262.11(a)
	Must determine if waste is listed under 40 CFR Part 261; or	**Applicable**	40 CFR 262.11(b)
	Must characterize waste by using prescribed testing methods or applying generator knowledge based on information regarding material or processes used.	**Applicable**	40 CFR 262.11(c)
	Must refer to Parts 261, 262, 264, 265, 266, 268, and 273 of Chapter 40 for possible exclusions or restrictions pertaining to management of the specific waste.	Generation of solid waste which is determined to be hazardous —**applicable**	40 CFR 262.11(d)
Storage of solid waste	All solid waste shall be stored in such a manner as to prevent the creation of a nuisance, insanitary conditions, or a potential public health hazard.	Generation of solid waste which is determined *not* to be hazardous —**relevant and appropriate**	15A NCAC 13B .0104(f)
	Containers for the storage of solid waste shall be maintained in such a manner as to prevent the creation of a nuisance or insanitary conditions. Containers that are broken or that otherwise fail to meet this Rule shall be replaced with acceptable containers.	**relevant and appropriate**	15A NCAC 13B .0104(e)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Characterization of hazardous waste	Must obtain a detailed chemical and physical analysis on a representative sample of the waste(s), which at a minimum contains all the information that must be known to treat, store, or dispose of the waste in accordance with pertinent sections of 40 CFR 264 and 268.	Generation of RCRA-hazardous waste for storage, treatment or disposal —**applicable**	40 CFR 264.13(a)(1)
	Must determine the underlying hazardous constituents [as defined in 40 CFR 268.2(i)] in the waste.	Generation of RCRA characteristic hazardous waste (and is not D001 non-wastewaters treated by CMBST, RORGS, or POLYM of Section 268.42 Table 1) for storage, treatment or disposal — **applicable**	40 CFR 268.9(a)
	Must determine if the waste is restricted from land disposal under 40 CFR 268 *et seq.* by testing in accordance with prescribed methods <u>or</u> use of generator knowledge of waste.	**applicable**	40 CFR 268.7
	Must determine each EPA Hazardous Waste Number (Waste Code) to determine the applicable treatment standards under 40 CFR 268.40 *et. seq*.	**applicable**	40 CFR 268.9(a)
Temporary storage of hazardous waste in containers	A generator may accumulate hazardous waste at the facility provided that: • waste is placed in containers that comply with 40 CFR 265.171-173; and	Accumulation of RCRA hazardous waste on site as defined in 40 CFR 260.10 — **applicable**	40 CFR 262.34(a) 40 CFR 262.34(a)(1)(i)
	• the date upon which accumulation begins is clearly marked and visible for inspection on each container	**applicable**	40 CFR 262.34(a)(2)
	• container is marked with the words “hazardous waste”; or	**applicable**	40 CFR 264.34(a)(3)
	• container may be marked with other words that identify the contents.	Accumulation of 55 gal. or less of RCRA hazardous waste at or near any point of generation — **applicable**	40 CFR 262.34(c)(1)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Use and management of hazardous waste in containers	If container is not in good condition (e.g. severe rusting, structural defects) or if it begins to leak, must transfer waste into container in good condition	Storage of RCRA hazardous waste in containers — **applicable**	40 CFR 265.171
	Use container made or lined with materials compatible with waste to be stored so that the ability of the container is not impaired	**applicable**	40 CFR 265.172
	Keep containers closed during storage, except to add/remove waste	**applicable**	40 CFR 265.173(a)
	Open, handle and store containers in a manner that will not cause containers to rupture or leak	**applicable**	40 CFR 265.173(b)
Waste treatment and disposal—primary wastes (excavated contaminated soils)			
Disposal of solid waste	Shall ensure that waste is disposed of at a site or facility which is permitted to receive the waste.	Generation of solid waste intended for off-site disposal — **relevant and appropriate**	15A NCAC 13B .0106(b)
Disposal of RCRA-hazardous waste in a land-based unit	May be land disposed if it meets the requirements in the table "Treatment Standards for Hazardous Waste" at 40 CFR 268.40 before land disposal.	Land disposal, as defined in 40 CFR 268.2, of restricted RCRA waste —**applicable**	40 CFR 268.40(a)
	Must be treated according to the alternative treatment standards of 40 CFR 268.49(c) <u>or</u> Must be treated according to the UTSs [specified in 40 CFR 268.48 Table UTS] applicable to the listed and/or characteristic waste contaminating the soil prior to land disposal.	Land disposal, as defined in 40 CFR 268.2, of restricted hazardous soils —**applicable**	40 CFR 268.49(b)
Transportation of Wastes			
Transportation of hazardous waste on-site	The generator manifesting requirements of 40 CFR 262.20–262.32(b) do not apply. Generator or transporter must comply with the requirements set forth in 40 CFR 263.30 and 263.31 in the event of a discharge of hazardous waste on a private or public right-of-way.	Transportation of hazardous wastes on a public or private right-of-way within or along the border of contiguous property under the control of the same person, even if such contiguous property is divided by a public or private right-of-way — **applicable**	40 CFR 262.20(f)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Transportation of hazardous waste off-site	Must comply with the generator requirements of 40 CFR 262.20–23 for manifesting, Sect. 262.30 for packaging, Sect. 262.31 for labeling, Sect. 262.32 for marking, Sect. 262.33 for placarding, Sect. 262.40, 262.41(a) for record keeping requirements, and Sect. 262.12 to obtain EPA ID number.	Off-site transportation of RCRA-hazardous waste — **applicable**	40 CFR 262.10(h)
	Must comply with the requirements of 40 CFR 263.11–263.31.	Transportation of hazardous waste within the United States requiring a manifest — **applicable**	40 CFR 263.10(a)
	A transporter who meets all applicable requirements of 49 CFR 171–179 and the requirements of 40 CFR 263.11 and 263.31 will be deemed in compliance with 40 CFR 263.	**applicable**	
Transportation of hazardous materials	Shall be subject to and must comply with all applicable provisions of the HMTA and DOT HMR at 49 CFR 171-180.	Any person who, under contract with a department or agency of the federal government, transports “in commerce,” or causes to be transported or shipped, a hazardous material **— applicable**	49 CFR 171.1(c)

TABLE B-3
Action-Specific ARARs
Operable Unit 1, Central Groundwater Plume Feasibility Study
Marine Corps Air Station, Cherry Point, North Carolina

Action	Requirements	Prerequisite	Citation
Institutional Controls for Contamination Left in Place			
Notice of Contaminated Site	Prepare and certify by professional land surveyor a survey plat which identifies contaminated areas which shall be entitled "NOTICE OF CONTAMINATED SITE". Notice shall include a legal description of the site that would be sufficient as a description in an instrument of conveyance and meet the requirements of NCGS 47-30 for maps and plans.	Contaminated site subject to current or future use restrictions included in a remedial action plan as provided in G.S. 143B-279.9(a) — **TBC**	NCGS 143B-279.10(a)
	The Survey plat shall identify: • the location and dimensions of any disposal areas and areas of potential environmental concern with respect to permanently surveyed benchmarks; • the type location, and quantity of contamination known to exist on the site; and •any use restriction on the current or future use of the site.	**TBC**	NCGS 143B-279.10(a)(1)-(3)
	Notice (survey plat) shall be filed in the register of deeds office in the county which the site is located in the grantor index under the name of the owner.	**TBC**	NCGS 143B-279.10(b) and (c)
	The deed or other instrument of transfer shall contain in the description section, in no smaller type than used in the body of the deed or instrument, a statement that the property is a contaminated site and reference by book and page to the recordation of the Notice.	Contaminated site subject to current or future use restrictions as provided in G.S. 143B-279.9(a) that is to sold, leased, conveyed or transferred — **TBC**	NCGS 143B-279.10(e)

Appendix C
Remedial Alternative Cost Estimates and Dosage Calculation Sheets

Appendix C - Cost Estimates
Summary of Cost Analysis
OU 1 Feasibility Study
MCAS Cherry Point, North Carolina

Zone 1 Alternatives		Alternative 1 No Action	Alternative 2 MNA and LUCs[1]			Alternative 3 Near Source Enhanced Bioremediation		
Alternative Evaluation Timeframe[2]		0 years	100 years			30 years		
			-30%	Estimate	+50%	-30%	Estimate	+50%
Total Implementation Costs		$0	$0	$0	$0	$1,077,000	$1,539,120	$2,309,000
Present Value of Future Costs	Discount Rate of 2.7% (OMB, 2009)	$0	$0	$0	$0	$3,442,000	$4,916,669	$7,375,000
Grand Total Present Value	**Discount Rate of 2.7% (OMB, 2009)**	**$0**	$0	**$0**	$0	$4,519,000	**$6,456,000**	$9,684,000

Zone 2 Alternatives		Alternative 1 No Action	Alternative 2 MNA and LUCs			Alternative 3 Downgradient ZVI PRB (w/ Ferox Injections), MNA, and LUCs			Alternative 3 (Option) Downgradient ZVI PRB (Dual Continuous Trench), MNA, and LUCs			Alternative 4 Downgradient Bioamendment Injections, MNA, and LUCs			Alternative 5 Downgradient Air Sparge Curtain, MNA, and LUCs		
Alternative Evaluation Timeframe[2]		0 years	100 years			30 years			30 years			30 years			30 years		
			-30%	Estimate	+50%	-30%	Estimate	+50%	-30%	Estimate	+50%	-30%	Estimate	+50%	-30%	Estimate	+50%
Total Implementation Costs		$0	$255,000	$364,000	$546,000	$2,417,000	$3,452,788	$5,179,000	$3,001,000	$4,286,558	$6,430,000	$1,154,000	$1,647,878	$2,472,000	$1,040,000	$1,485,703	$2,229,000
Present Value of Future Costs	Discount Rate of 2.7% (OMB, 2009)	$0	$4,117,000	$5,881,000	$8,822,000	$4,906,000	$7,009,223	$10,514,000	$2,393,000	$3,418,341	$5,128,000	$5,684,000	$8,119,422	$12,179,000	$3,731,000	$5,330,630	$7,996,000
Grand Total Present Value	**Discount Rate of 2.7% (OMB, 2009)**	**$0**	$4,372,000	**$6,245,000**	$9,368,000	$7,323,000	**$10,462,000**	$15,693,000	$5,394,000	**$7,705,000**	$11,558,000	$6,838,000	**$9,767,000**	$14,651,000	$4,771,000	**$6,816,000**	$10,225,000

Notes and References:

[1] Assumes MNA and LUC costs will be covered under the implemented Zone 2 alternative

[2] The 100-year timeframe evaluated for Alternative 2-LUCs is for reference. The cost of LUCs are built into each of Alternatives 3, 4, and 5 for each alternative's respective timeframe (100 years, 40 years, and 60 years,

● The "Real" Discount Rate used to calculate the Present Value cost is 2.7% for a timeframe greater than 30 years per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2009, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis" for Calendar Year 2010, http://www.whitehouse.gov/omb/circulars_a094_a94_appx-c/.

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2010 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

● USEPA. 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* . OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

● USEPA. 2000. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study* . With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

● The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternative. Changes in the cost elements are likely to occur as a result of new information and data collected during Baseline Sampling and the Remedial Design phase. This is an order-of-magnitude engineering cost estimate that is expected to be within –30 to +50 percent of the actual project cost (per USEPA, 1988 and 2000).

Table C-1
Cost Estimate for Zone 1 Alternative 1 - No Action
OU 1 Feasibility Study
MCAS Cherry Point, North Carolina

No Action
Cost = $0

Table C-2 - Cost Estimate for Zone 1 Alternative 3 - Near Source Enhanced Bioremediation
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Assumptions:
LUCs and 5-yr review costs covered under selected Zone 2 alternative
Following review of baseline data, install 30 new monitoring wells: 17 shallow at 15-35 ft bgs and 13 deep at 35-50 ft bgs. Sample these for additional baseline data (COCs and geochem/biodeg analyses).
MNA for 15 years. 30 wells. Quarterly during injection year followed by annual events.
Biological amendment injection wells for near source zone treatment. 100 locations (50 nested shallow/deep pairs) spaced 25-ft on center. 0.010-slot Sch 40 PVC.
1,693 pounds of 60% emulsified oil injected per well. EOS® product assumed. Saturation dosage based on 0.002 lbs EOS® per lb soil in treatment area. Total oil concentrate and
Estimated Time to Complete 1 injection event = 25 days (4-well injection manifold; 10 gpm). Reinjection every two years for 10 years. No bioaugmentation.

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
UFP-SAP & Remedial Action Work Plan					
Work Plan for additional sampling, well installation, sparge operation, and groundwater performance monitoring (in Navy's UFP-SAP format).	1	each	$40,000	$40,000	Pre-Draft, Draft, Draft Final, & Final. Includes Scoping sessions. Recent similar project.
New Well Installation (30 new wells)					
Labor, ODCs, travel	1	event	$19,000	$19,000	17 shallow (15-35 ft bgs) and 13 deep (35-50 ft bgs) new monitoring wells. TBD by Team.
Utility Location	1	LS	$2,000	$2,000	
Drilling Subcontractor / well installation	1,245	LF	$100	$124,500	Includes mob, materials, labor
Survey	1	each	$2,000	$2,000	
Sample New Wells (30 wells)					
Labor, ODCs, travel	1	each	$11,000	$11,000	
Lab & Data Validation	1	each	$23,555	$23,555	
Equipment	1	event	$2,400	$2,400	
Report	1	each	$8,000	$8,000	
Near Source ERD Well Installation and Injection					
Well Installation					
Labor	7	week	$7,500	$52,500	
Utility Location	1	LS	$4,500	$4,500	
Drilling Subcontractor / Well Installation	100	Wells	$4,000	$400,000	Written estimate from Boart Longyear/Pro-Sonic. Includes mob, materials, labor
IDW Management	1	LS	$12,000	$12,000	
Survey	1	LS	$2,000	$2,000	
Travel and Perdiem	7	week	$2,000	$14,000	
Injection					
Labor, ODCs, Travel	5	week	$9,500	$47,500	M-F. 8hrs injection time per day.
Injection Trailer Rental	5	week	$2,500	$12,500	
Emulsified Oil Material and Delivery	242	drum	$922	$223,124	EOS®-598 brand. See dosage calculation sheet for dosage per well calc. (0.002 lb EOS/lb soil)
Construction Report	1	each	$12,000	$12,000	Draft and Final Construction Completion Report
Subtotal				*$1,012,579*	
Contingency	*15%*			*$151,887*	
Project Management	*10%*			*$101,258*	
Remedial Design and Construction Overisight	*12%*			*$121,509*	
G&A	*7%*			*$70,881*	
Overhead & Profit	*8%*			*$81,006*	
			Total Implementation Cost	**$1,539,120**	

Table C-2 - Cost Estimate for Zone 1 Alternative 3 - Near Source Enhanced Bioremediation
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
FUTURE COSTS (30 years)					
Well Maintenance (Years 5, 10, 15… and 25)					
Repair flushmounts & vaults, potential well replacements, etc.	5	events	$25,000	$125,000	Assume well repairs needed approximately every 5 years.
Subtotal			*$25,000*	*$125,000*	
Contingency	*15%*		*$3,750*	*$18,750*	
Project Management	*10%*		*$2,500*	*$12,500*	
General Conditions and Administration	*7%*		*$1,750*	*$8,750*	
Overhead & Profit	*8%*		*$2,000*	*$10,000*	
Subtotal			*$35,000*	*$175,000*	
Well Maintenance Future Annual Cost at Years 5, 10… and 25)			$45,500		Assumes 30% Inflation
Present Value (2.7%) of Future Cost of Well Maintenance	*25*	*year*	*2.7%*	*$155,275*	
Well Abandonment (Year 30)					
Abandon wells when RAOs are achieved.	130	well	$750	$97,500	Assume well abandonment by filling with grout will occur at Year 30.
Labor	6	week	$7,500	$45,000	Includes injection wells
Travel & per diem	6	week	$2,000	$12,000	assume abandon all IR Program wells
Subtotal				*$154,500*	
Contingency	*15%*			*$23,175*	
Project Management	*10%*			*$15,450*	
General Conditions and Administration	*7%*			*$10,815*	
Overhead & Profit	*8%*			*$12,360*	
Subtotal				*$216,300*	
Inflation	*30%*			*$64,890*	
				$281,190	
Present Value (2.7%) of Future Cost of Well Abandonment	*30*	*year*	*2.7%*	*$126,441*	
Reinjection of Substrate in Near Source Wells Every Two Years, for 10 Years					
Labor, ODCs, Travel	5	week	$9,500	$47,500	M-F. 8hrs injection time per day.
Injection Trailer Rental	5	week	$2,500	$12,500	
Emulsified Oil Material and Delivery	242	drum	$922	$223,124	EOS®-598 brand. See dosage calculation sheet for dosage per well calc. (0.002 lb EOS/lb soil)
Subtotal				*$283,124*	
Contingency	*15%*			*$42,469*	
Project Management	*10%*			*$28,312*	
General Conditions and Administration	*7%*			*$19,819*	
Overhead & Profit	*8%*			*$22,650*	
Subtotal				*$396,374*	
Inflation	*30%*			*$118,912*	
				$515,286	
Present Value (2.7%) of Future Cost of Injections	*10*	*year*	*2.7%*	*$2,231,780*	

Table C-2 - Cost Estimate for Zone 1 Alternative 3 - Near Source Enhanced Bioremediation
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
Performance Groundwater Monitoring (30 wells)					
Years 1 & 21 (Quarterly events)					
Labor, ODCs, travel	8	event	$21,000	$168,000	Assume 60 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	8	each	$24,248	$193,981	See lab & DV backup sheets
Equipment	8	event	$4,400	$35,200	
Report	8	each	$8,000	$64,000	
Subtotal			*$57,647.60*	*$461,180.80*	
Contingency	*15%*		*$8,647*	*$69,177*	
Project Management	*10%*		*$5,765*	*$46,118*	
G&A	*7%*		*$4,035*	*$32,283*	
Overhead & Profit	*8%*		*$4,612*	*$36,894*	
Subtotal			*$80,707*	*$645,653*	
Inflation	*30%*		*$24,212*	*$193,696*	
			$104,919	*$839,349*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 1 & 21			*2.7%*	*$584,612*	
Years 2-20 and 22-30 (annual) (30 wells)					
Labor, ODCs, travel	28	event	$21,000	$588,000	Assume 60 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	28	each	$24,248	$678,933	See lab & DV backup sheets
Equipment	28	event	$4,400	$123,200	
Report	28	each	$8,000	$224,000	
Subtotal			*$57,647.60*	*$1,614,132.80*	
Contingency	*15%*		*$8,647*	*$242,120*	
Project Management	*10%*		*$5,765*	*$161,413*	
G&A	*7%*		*$4,035*	*$112,989*	
Overhead & Profit	*8%*		*$4,612*	*$129,131*	
Subtotal			*$80,707*	*$2,259,786*	
Inflation	*30%*		*$24,212*	*$677,936*	
			$104,919	*$2,937,722*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 2-20, & 22-30			*2.7%*	*$1,818,561*	
Total Present Value (2.7%) of All Future Costs			**2.7%**	**$4,916,669**	
TOTAL PV Cost of Zone 1 Alternative 3 - Near Source ERD			*-30%*	*+50%*	
Using 2.7% Discount Rate for PV of Future Costs	**$6,455,788**		*$4,519,052*	*$9,683,682*	

Other Notes and References:

● The "Real" Discount Rate used to calculate the Present Value cost is 2.7% for a 30-year timeframe per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2009, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis" for Calendar Year 2010, http://www.whitehouse.gov/omb/circulars_a094_a94_appx-c/.

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2009 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

● USEPA. 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA.* OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

● USEPA. 2000. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study.* With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

● The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternative. Changes in the cost elements are likely to occur as a result of new information and data collected during Baseline Sampling and the Remedial Design phase. This is an order-of-magnitude engineering cost estimate that is expected to be within –30 to +50 percent of the actual project cost (per USEPA, 1988 and 2000).

Table C-3
Cost Estimate for Zone 2 Alternative 1 - No Action
OU 1 Feasibility Study
MCAS Cherry Point, North Carolina

No Action
Cost = $0

Table C-4 - Cost Estimate for Zone 2 Alternative 1 - MNA and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Assumptions:
LUC RD prepared by contractor. 5YR performed with other MCAS Cherry Point sites. Quarterly inspections performed by contractor. Well maintenance required every 5yrs.
Baseline sampling of 120 wells for COCs and geochemical and biodegradation-related analyses.
Following review of baseline data, install 10 new monitoring wells: 5 shallow at 15-35 ft bgs and 5 deep at 35-50 ft bgs. Sample these for additional baseline data (COCs and geochem/biodeg analyses).
MNA performance monitoring at 9-month intervals through Year 3 to determine seasonal variations. Then Year 5, 10, 15, through Year 100. 100 wells.

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
LUCs					
LUC Remedial Design and implementation into MCAS Cherry Point's plan & GIS, and into Navy's *LUC Tracker* .	1	each	$8,000	$8,000	Includes Draft and Final LUC Plans. Assume contractor prepares LUC RD.
UFP-SAP					
Work Plan for additional sampling, well installation, and groundwater performance monitoring (in Navy's UFP-SAP format).	1	each	$30,000	$30,000	Pre-Draft, Draft, Draft Final, & Final. Includes Scoping sessions. Recent similar project.
Baseline Sampling (120 existing Wells)					
Labor, ODCs, travel	1	event	$53,000	$53,000	Assume sample 120 wells. TBD by Team.
Lab & Data Validation	1	each	$61,046	$61,046	See lab & DV backup sheets
Equipment	1	event	$4,400	$4,400	
Report	1	each	$8,000	$8,000	
New Well Installation (10 new wells)					
Labor, ODCs, travel	1	event	$8,000	$8,000	5 shallow (15-35 ft bgs) and 5 deep (35-50 ft bgs) new monitoring wells. TBD by Team.
Utility Location	1	LS	$2,000	$2,000	
Drilling Subcontractor / well installation	425	LF	$100	$42,500	Includes mob, materials, labor
Survey	1	each	$2,000	$2,000	
Sample New Wells (10 wells)					
Labor, ODCs, travel	1	each	$6,000	$6,000	
Lab & Data Validation	1	each	$7,165	$7,165	
Equipment	1	event	$2,400	$2,400	
Report	1	each	$8,000	$8,000	
Subtotal				*$242,511*	
Contingency	*25%*			*$60,628*	
Project Management	*10%*			*$24,251*	
G&A	*7%*			*$16,976*	
Overhead & Profit	*8%*			*$19,401*	
			Total Implementation Cost	**$363,767**	
FUTURE COSTS (100 years)					
LUCs (Years 1-100)					
IR Quarterly Inspections and reporting (4 per year)	100	year	$16,000	$1,600,000	4 inspections per year at $4,000 per inspection -- for 100 yrs. Assume contractor performs site inspections and reporting.
Subtotal			*$16,000*	*$1,600,000*	
Project Management	*10%*		*$1,600*	*$160,000*	
Subtotal			*$17,600*	*$1,760,000*	
LUCs Future Annual Cost			$22,880		Assumes inflation of 30%
LUCs Total Future Cost				$2,288,000	Assumes inflation of 30%
Present Value (2.7%) of Future Cost of LUCs	*100*	*year*	*2.7%*	*$788,381*	*Y2009 PV calculated for 100-yrs-future-cost using 2.7% Real Discount Rate per Office of Management and Budget (2008) guidance.*
5-Year Reviews (Years 5, 10, 15… and 100)					
5-Year Review	20	each	$10,000	$390,000	5YR conducted once every 5 years. To be conducted in conjunction with other post-ROD sites at MCAS Cherry Point. Years, 5, 10… and 100. Includes pre-draft, draft, draft final, final, fact sheet, and public notices.
Subtotal			*$10,000*	*$390,000*	
Contingency	*25%*		*$2,500*	*$97,500*	
Project Management	*10%*		*$1,000*	*$39,000*	
General Conditions and Administration	*7%*		*$700*	*$27,300*	
Overhead & Profit	*8%*		*$800*	*$31,200*	
Subtotal			*$15,000*	*$585,000*	
5YR Total Annual Cost at Years 5, 10… and 100)			$19,500		Assumes Inflation Rate of 30%
5YR Total Future Cost				$760,500	Assumes Inflation Rate of 30%
Present Value (2.7%) of Future Cost of 5YRs	*100*	*year*	*2.7%*	*$127,320*	
Well Maintenance (Years 5, 10, 15… and 95)					
Repair flushmounts & vaults, potential well replacements, etc.	20	event	$15,000	$300,000	Assume well repairs needed approximately every 5 years.
Subtotal			*$15,000*	*$300,000*	
Contingency	*25%*		*$3,750*	*$75,000*	
Project Management	*10%*		*$1,500*	*$30,000*	
General Conditions and Administration	*7%*		*$1,050*	*$21,000*	
Overhead & Profit	*8%*		*$1,200*	*$24,000*	
Subtotal			*$22,500*	*$450,000*	
Well Maintenance Future Annual Cost at Years 5, 10… and 95)			$29,250		Assumes Inflation Rate of 30%
5YR Total Future Cost				$585,000	Assumes Inflation Rate of 30%

Table C-4 - Cost Estimate for Zone 2 Alternative 2 - MNA and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
Present Value (2.7%) of Future Cost of Well Maintenance	*95*	*year*	*2.7%*	*$188,942*	
Well Abandonment (Year 100)					
Abandon wells when RAOs are achieved. Driller sub.	200	well	$300	$60,000	Assume well abandonment will occur at Year 100.
Labor	8	week	$7,500	$60,000	assume abandon all IR Program wells
Travel & per diem	8	week	$2,000	$16,000	
Subtotal				*$136,000*	
Contingency	*25%*			*$34,000*	
Project Management	*10%*			*$13,600*	
General Conditions and Administration	*7%*			*$9,520*	
Overhead & Profit	*8%*			*$10,880*	
Subtotal				*$204,000*	
Inflation	*30%*			*$61,200*	
				$265,200	
Present Value (2.7%) of Future Cost of Well Abandonment	*100*	*year*	*2.7%*	*$18,473*	
Performance Groundwater Monitoring (100 wells)					
Months 9, 18, 27, and 36					Year 1 includes 9-month event; Year 2 includes 18-month event; and Year 3 includes 27- and 36-month event.
Labor, ODCs, travel	4	event	$30,000	$120,000	Assume 100 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	4	each	$52,346	$209,383	See lab & DV backup sheets
Equipment	4	event	$3,600	$14,400	
Report	4	each	$8,000	$32,000	
Subtotal			*$93,945.80*	*$375,783.20*	
Contingency	*25%*		*$23,486*	*$93,946*	
Project Management	*10%*		*$9,395*	*$37,578*	
G&A	*7%*		*$6,576*	*$26,305*	
Overhead & Profit	*8%*		*$7,516*	*$30,063*	
Subtotal			*$140,919*	*$563,675*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 1-3			*2.7%*	*$531,008*	
Years 4 to 15					
Labor, ODCs, travel	11	event	$30,000	$330,000	Assume 100 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	11	each	$50,552	$556,077	See lab & DV backup sheets
Equipment	11	event	$3,600	$39,600	
Report	11	each	$8,000	$88,000	
Subtotal			*$92,152.46*	*$1,013,677.06*	
Contingency	*25%*		*$23,038*	*$253,419*	
Project Management	*10%*		*$9,215*	*$101,368*	
G&A	*7%*		*$6,451*	*$70,957*	
Overhead & Profit	*8%*		*$7,372*	*$81,094*	
Subtotal			*$138,229*	*$1,520,516*	
Inflation	*30%*		*$41,469*	*$456,155*	
			$179,697	*$1,976,670*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 4-15			*2.7%*	*$1,519,742*	
Years 16 to 100					
Labor, ODCs, travel	84	event	$30,000	$2,520,000	Assume 100 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	84	each	$22,668	$1,904,095	See lab & DV backup sheets
Equipment	84	event	$3,600	$302,400	
Report	84	each	$8,000	$672,000	
Subtotal			*$64,267.80*	*$5,398,495.20*	
Contingency	*25%*		*$16,067*	*$1,349,624*	
Project Management	*10%*		*$6,427*	*$539,850*	
G&A	*7%*		*$4,499*	*$377,895*	
Overhead & Profit	*8%*		*$5,141*	*$431,880*	
Subtotal			*$96,402*	*$8,097,743*	
Inflation	*30%*		*$28,921*	*$2,429,323*	
			$125,322	*$10,527,066*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 16-100			*2.7%*	*$2,707,349*	
Total Present Value (2.7%) of All Future Costs			**2.7%**	**$5,881,215**	Y2010 PV calculated for 100-yrs-future-cost using 2.7% Real Discount Rate per Office of Management and Budget (2009) guidance.
TOTAL PV Cost of Zone 2 Alternative 2 - MNA and LUCs			*-30%*	*+50%*	
Using 2.7% Discount Rate for PV of Future Costs	**$6,244,982**		*$4,371,488*	*$9,367,473*	

Other Notes and References:

● The "Real" Discount Rate used to calculate the Present Value cost is 2.7% for a 100-year timeframe per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2009, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis" for Calendar Year 2010, http://www.whitehouse.gov/omb/circulars_a094_a94_appx-c/.

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2009 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

● USEPA. 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* . OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

● USEPA. 2000. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study* . With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

● The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternative. Changes in the cost elements are likely to occur as a result of new information and data collected during Baseline Sampling and the Remedial Design phase. This is an order-of-magnitude engineering cost estimate that is expected to be within –30 to +50 percent of the actual project cost (per USEPA, 1988 and 2000).

Table C-5 - Cost Estimate for Zone 2 Alternative 3 - Downgradient Permeable Reactive Barrier (ZVI), MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Assumptions:
LUC RD prepared by contractor. 5YR performed with other MCAS Cherry Point sites. Quarterly inspections performed by contractor. Well maintenance required every 5yrs.
Baseline sampling of 120 wells for COCs and geochemical and biodegradation-related analyses.
Following review of baseline data, install 30 new monitoring wells: 17 shallow at 15-35 ft bgs and 13 deep at 35-50 ft bgs. Sample these for additional baseline data (COCs and geochem/biodeg analyses).
MNA for 15 years. 60 wells. Quarterly during injection year followed by four annual events. Subsequently, every 5 years.

Two stage downgradient PRB: 1) Pneumatic injections of micro-scale ZVI into soil borings, completed as a double row of 15 staggered boring locations (30 borings total) at 25' spacing. Target iron loading is 0.7% (soil:iron mass ratio) or 310,000 pounds . Target injection interval = 20 to 50 feet bgs, with 9 injections per boring (1148 pounds of iron per injection). Assume re-inection of micro-scale iron into soil borings every six years to maintain performance of the northern barrier. 2) Installation of continuous deep trench using DeWind One Pass Trencher System. Target length = 950', depth = 35', and width = 2'. Trench will be backfilled with 20% ZVI and 80% sand (by volume). Assumes minimal presence of buried utilities. Assume upper five feet of native material will be temporariliy stockpiled and re-used. Total trench volume to be backfilled = 950' x 30' x 2' = 2110 cubic yards, 422 cubic yards (855 tons) of ZVI and 1688 cubic yards of sand. Spoils disposed on Base.

Optional cost included for a second continuous deep trench, 1000' long, 40' deep, and 2' wide, in lieu of pneumatic micro-scale iron injections. Re-injection of iron would not be required with this option.

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
LUCs					
LUC Remedial Design and implementation into MCAS Cherry Point's plan & GIS, and into Navy's *LUC Tracker* .	1	each	$8,000	$8,000	Includes Draft and Final LUC Plans. Assume contractor prepares LUC RD.
UFP-SAP & Remedial Action Work Plan					
Work Plan for additional sampling, well installation, sparge operation, and groundwater performance monitoring (in Navy's UFP-SAP format).	1	each	$40,000	$40,000	Pre-Draft, Draft, Draft Final, & Final. Includes Scoping sessions. Recent similar project.
Baseline Sampling (120 existing wells)					
Labor, ODCs, travel	1	event	$35,000	$35,000	Assume sampling of 120 wells. TBD by Team.
Lab & Data Validation	1	each	$61,046	$61,046	See Lab & DV backup sheets
Equipment	1	event	$4,400	$4,400	
Report	1	each	$8,000	$8,000	
New Well Installation (30 new wells)					
Labor, ODCs, travel	1	event	$19,000	$19,000	17 shallow (15-35 ft bgs) and 13 deep (35-50 ft bgs) new monitoring wells. TBD by Team.
Utility Location	1	LS	$2,000	$2,000	
Drilling Subcontractor / well installation	1,245	LF	$100	$124,500	Includes mob, materials, labor
Survey	1	each	$2,000	$2,000	
Sample New Wells (30 wells)					
Labor, ODCs, travel	1	each	$11,000	$11,000	
Lab & Data Validation	1	each	$23,555	$23,555	
Equipment	1	event	$2,400	$2,400	
Report	1	each	$8,000	$8,000	
Downgradient PRB Installation (One Pass Trencher with ZVI)					
Equipment and Subcontractor					
Mobilization and Site Setup	1	LS	$40,000	$40,000	Based on written estimate from DeWind One Pass Trenching.
Utility Location	1	LS	$4,500	$4,500	Engineer's Estimate
Installation of ZVI/Sand PRB to 35' bgs. Two foot wide, 950 feet long.	950	LF	$425	$403,750	Based on written estimate from DeWind One Pass Trenching.
Zero Valent Iron (8/50 Mesh Aggregate)	855	tons	$720	$615,600	Based on written estimate by Peerless Metals, including packaging in 3000# bags
Zero Valent Iron Shipping	40	trucks	$1,540	$61,600	Based on written estimate by Peerless Metals, assuming 14, 3000# bags per truck
Clean Fill Sand, Delivered to the Site	2,500	tons	$25	$62,500	Verbal Estimate - Yancey Trucking
Post Construction Site Survey	1	LS	$2,500	$2,500	Engineer's Estimate
Downgradient PRB Installation (Pneumatic ZVI Injections)					
Equipment and Subcontractor					
Project Management, Site Meeting, Mobilization and Site Set-Up	1	LS	$16,300	$16,300	Written estimate from ARS Technologies
Utility Location	1	LS	$4,500	$4,500	Engineer's Estimate
Drilling	30	borings	$2,500	$75,000	Written estimate from ARS Technologies, assumed used of 8000 Series Direct Push Rig
Materials (micro scale ZVI)	310,000	lb	$0.85	$263,500	Written estimate from ARS Technologies
Nitrogen gas	1	LS	$53,200	$53,200	Written estimate from ARS Technologies
Field Implementation (3 man crew) with "Ferox" Injection Trailer Rental	20	days	$7,500	$150,000	Written Estimate from ARS Technologies
Survey	1	LS	$2,500	$2,500	Engineer's Estimate
Travel and Perdiem	20	days	$750	$15,000	Written Estimate from ARS Technologies
Option: Second Downgradient PRB Installed Using One Pass Trencher, in lieu of Pneumatic Micro-Scale Iron injections					
Mobilization and Site Setup	1	LS	$60,000	$60,000	Based on written estimate from DeWind One Pass Trenching.
Utility Location	1	LS	$4,500	$4,500	Engineer's Estimate
Installation of ZVI/Sand PRB to 40' bgs. Two foot wide, 1000 feet long.	1,000	LF	$480	$480,000	Based on written estimate from DeWind One Pass Trenching.
Zero Valent Iron (8/50 Mesh Aggregate)	980	tons	$720	$705,600	Based on written estimate by Peerless Metals, including packaging in 3000# bags
Zero Valent Iron Shipping	48	trucks	$1,540	$73,920	Based on written estimate by Peerless Metals, assuming 14, 3000# bags per truck
Clean Fill Sand, Delivered to the Site	2,850	tons	$25	$71,250	Verbal Estimate - Yancey Trucking
Post Construction Site Survey	1	LS	$2,500	$2,500	Engineer's Estimate
Survey	1	LS	$2,000	$2,000	
Travel and Perdiem	7	week	$2,000	$14,000	
Construction Report	1	each	$12,000	$12,000	Draft and Final Construction Completion Report
Subtotal (Two Stage ZVI PRB w/ Micro-Scale Iron Injections)				*$2,131,351*	
Subtotal (Dual Continuous PRBs w/ One Pass Trencher)				*$2,965,121*	
Contingency	*25%*			*$532,838*	
Project Management	*10%*			*$213,135*	
Remedial Design and Construction Overisight	*12%*			*$255,762*	
G&A	*7%*			*$149,195*	
Overhead & Profit	*8%*			*$170,508*	
Total Implementation Cost (Two Stage ZVI PRB w/ Micro-Scale Iron Injections)				**$3,452,788**	
Total Implementation Cost (Dual Continuous PRBs w/ One Pass Trencher)				**$4,286,558**	

Table C-3 - Cost Estimate for Zone 2 Alternative 3 - Downgradient Permeable Reactive Barrier (ZVI), MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
FUTURE COSTS (30 years)					
LUCs (Years 1-30)					
IR Quarterly Inspections and reporting (4 per year)	30	year	$16,000	$480,000	4 inspections per year at $4,000 per inspection -- for 30 yrs. Assume contractor performs site inspections and reporting.
Subtotal			*$16,000*	*$480,000*	
Project Management	*10%*		*$1,600*	*$48,000*	
Subtotal			*$17,600*	*$528,000*	
LUCs Future Annual Cost			$22,880		Assumes 30% Inflation
LUCs Total Future Cost				$686,400	Assumes 30% Inflation
Present Value (2.7%) of Future Cost of LUCs	*30*	*year*	*2.7%*	*$466,360*	*Y2010 PV calculated for 30-yrs-future-cost using 2.7% Real Discount Rate per Office of Management and Budget (2009) guidance.*
5-Year Reviews (Years 5, 10, 15… and 30)					
5-Year Review	6	each	$10,000	$117,000	5YR conducted once every 5 years. To be conducted in conjunction with other post-ROD sites at MCAS Cherry Point. Years, 5, 10… and 30. Includes pre-draft, draft, draft final, final, fact sheet, and public notices.
Subtotal			*$10,000*	*$117,000*	
Contingency	*25%*		*$2,500*	*$29,250*	
Project Management	*10%*		*$1,000*	*$11,700*	
General Conditions and Administration	*7%*		*$700*	*$8,190*	
Overhead & Profit	*8%*		*$800*	*$9,360*	
Subtotal			*$15,000*	*$175,500*	
5YR Total Annual Cost at Years 5, 10… and 30)			$19,500		Assumes 30% Inflation
5YR Total Future Cost				$228,150	Assumes 30% Inflation
Present Value (2.7%) of Future Cost of 5YRs	*30*	*year*	*2.7%*	*$75,315*	
Well Maintenance (Years 5, 10, 15… and 25)					
Repair flushmounts & vaults, potential well replacements, etc.	5	event	$25,000	$125,000	Assume well repairs needed approximately every 5 years.
Subtotal			*$25,000*	*$125,000*	
Contingency	*25%*		*$6,250*	*$31,250*	
Project Management	*10%*		*$2,500*	*$12,500*	
General Conditions and Administration	*7%*		*$1,750*	*$8,750*	
Overhead & Profit	*8%*		*$2,000*	*$10,000*	
Subtotal			*$37,500*	*$187,500*	
Well Maintenance Future Annual Cost at Years 5, 10… and 25)			$48,750		Assumes 30% Inflation
Present Value (2.7%) of Future Cost of Well Maintenance	*25*	*year*	*2.7%*	*$166,366*	
Well Abandonment (Year 30)					
Abandon wells when RAOs are achieved.	130	well	$750	$97,500	Assume well abandonment by filling with grout will occur at Year 30.
Labor	6	week	$7,500	$45,000	Includes injection wells
Travel & per diem	6	week	$2,000	$12,000	assume abandon all IR Program wells
Subtotal				*$154,500*	
Contingency	*25%*			*$38,625*	
Project Management	*10%*			*$15,450*	
General Conditions and Administration	*7%*			*$10,815*	
Overhead & Profit	*8%*			*$12,360*	
Subtotal				*$301,275*	*Assumes 30% Inflation*
Present Value (2.7%) of Future Cost of Well Abandonment	*30*	*year*	*2.7%*	*$135,472*	
Reinjection of Micro-Scale ZVI in (Northern) Downgradient PRB Every Six Years, for 30 years					
Project Management, Site Meeting, Mobilization and Site Set-Up	1	LS	$16,300	$16,300	Written estimate from ARS Technologies
Utility Location	1	LS	$4,500	$4,500	Engineer's Estimate
Drilling	30	borings	$2,500	$75,000	Written estimate from ARS Technologies, assumed used of 8000 Series Direct Push Rig
Materials (micro scale ZVI)	310,000	lb	$0.85	$263,500	Written estimate from ARS Technologies
Nitrogen gas	1	LS	$53,200	$53,200	Written estimate from ARS Technologies
Field Implementation (3 man crew) with "Ferox" Injection Trailer Rental	20	days	$7,500	$150,000	Written Estimate from ARS Technologies
Survey	1	LS	$2,500	$2,500	Engineer's Estimate
Travel and Perdiem	20	days	$750	$15,000	Written Estimate from ARS Technologies
Subtotal				*$580,000*	
Contingency	*25%*			*$145,000*	
Project Management	*10%*			*$58,000*	
General Conditions and Administration	*7%*			*$40,600*	
Overhead & Profit	*8%*			*$46,400*	
Subtotal				*$870,000*	
Inflation	*30%*			*$261,000*	
Subtotal				*$1,131,000*	
Present Value (2.7%) of Future Cost of Injections	*30*	*year*	*2.7%*	*$3,590,882*	
Performance Groundwater Monitoring (60 wells)					
Years 1 & 21 (Quarterly events)					
Labor, ODCs, travel	8	event	$21,000	$168,000	Assume 55 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	8	each	$24,248	$193,981	See lab & DV backup sheets
Equipment	8	event	$4,400	$35,200	
Report	8	each	$8,000	$64,000	
Subtotal			*$57,647.60*	*$461,180.80*	
Contingency	*25%*		*$14,412*	*$115,295*	
Project Management	*10%*		*$5,765*	*$46,118*	
G&A	*7%*		*$4,035*	*$32,283*	
Overhead & Profit	*8%*		*$4,612*	*$36,894*	
Subtotal			*$86,471*	*$691,771*	
Inflation	*30%*		*$25,941*	*$207,531*	
			$112,413	*$899,303*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 1 & 21			*2.7%*	*$626,369*	

Table C-5 - Cost Estimate for Zone 2 Alternative 3 - Downgradient Permeable Reactive Barrier (ZVI), MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
Years 2-20, 22-30 (annual) (60 wells)					
Labor, ODCs, travel	28	event	$21,000	$588,000	Assume 50 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	28	each	$24,248	$678,933	See lab & DV backup sheets
Equipment	28	event	$4,400	$123,200	
Report	28	each	$8,000	$224,000	
Subtotal			*$57,647.60*	*$1,614,132.80*	
Contingency	*25%*		*$14,412*	*$403,533*	
Project Management	*10%*		*$5,765*	*$161,413*	
G&A	*7%*		*$4,035*	*$112,989*	
Overhead & Profit	*8%*		*$4,612*	*$129,131*	
Subtotal			*$86,471*	*$2,421,199*	
Inflation	*30%*		*$25,941*	*$726,360*	
			$112,413	*$3,147,559*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 2-20, 22-30			*2.7%*	*$1,948,458*	
Total Present Value(2.7%) of All Future Costs (Two Stage ZVI PRB w/ Micro-Scale Iron Injections, MNA, and LUCs)			**2.7%**	**$7,009,223**	Y2010 PV calculated for 30 yrs future cost using 2.7 Real Discount Rate per Office of Management and Budget (2009) guidance.
Total Present Value(2.7%) of All Future Costs (Dual Continuous PRBs w/ One-Pass Trencher, MNA, and LUCs)			**2.7%**	**$3,418,341**	
TOTAL PV Cost of Zone 2 Alternative 3 - Two Stage ZVI PRB w/ Micro-Scale Iron Injections, MNA, and LUCs			*-30%*	*+50%*	
Using 2.7% Discount Rate for PV of Future Costs	**$10,462,011**		*$7,323,408*	*$15,693,016*	
TOTAL PV Cost of Zone 2 Alternative 3 (Option) - Dual Continuous PRBs w/ One-Pass Trencher, MNA, and LUCs			*-30%*	*+50%*	
Using 2.7% Discount Rate for PV of Future Costs	**$7,704,899**		*$5,393,429*	*$11,557,348*	

Other Notes and References:

● The "Real" Discount Rate used to calculate the Present Value cost is 2.7% for a 30-year timeframe per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2009, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis" for Calendar Year 2010, http://www.whitehouse.gov/omb/circulars_a094_a94_appx-c/.

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2009 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

● USEPA. 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* . OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

● USEPA. 2000. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study* . With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

● The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternative. Changes in the cost elements are likely to occur as a result of new information and data collected during Baseline Sampling and the Remedial Design phase. This is an order-of-magnitude engineering cost estimate that is expected to be within –30 to +50 percent of the actual project cost (per USEPA, 1988 and 2000).

Table C-6 - Cost Estimate for Zone 2 Alternative 4 - Downgradient Enhanced Bioremediation Injection Wells, MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Assumptions:
LUC RD prepared by contractor. 5YR performed with other MCAS Cherry Point sites. Quarterly inspections performed by contractor. Well maintenance required every 5yrs.
Baseline sampling of 120 wells for COCs and geochemical and biodegradation-related analyses.
Following review of baseline data, install 30 new monitoring wells: 17 shallow at 15-35 ft bgs and 13 deep at 35-50 ft bgs. Sample these for additional baseline data (COCs and geochem/biodeg analyses).
MNA for 15 years. 60 wells. Quarterly during injection year followed by four annual events. Subsequently, every 5 years.

Downgradient Injection Wells: Two Stage PRB consisting of single row of injection wells for each target area. Western PRB would consist of 38 injection wells, spaced at 25' intervals, screened from 10-30' bgs. Northern PRB would consist of 30 injection wells, 15 locations, with nested injection wells at each location, screened from 20' - 35' bgs and 35' - 50' bgs. Assumes injection of EVO and bioaugmentation culture into all wells upon installation, and subsequently every four years (in order to periodically replenish the electron donor and microbes).

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
LUCs					
LUC Remedial Design and implementation into MCAS Cherry Point's plan & GIS, and into Navy's *LUC Tracker*.	1	each	$8,000	$8,000	Includes Draft and Final LUC Plans. Assume contractor prepares LUC RD.
UFP-SAP & Remedial Action Work Plan					
Work Plan for additional sampling, well installation, sparge operation, and groundwater performance monitoring (in Navy's UFP SAP format).	1	each	$40,000	$40,000	Pre-Draft, Draft, Draft Final, & Final. Includes Scoping sessions. Recent similar project.
Baseline Sampling (120 existing wells)					
Labor, ODCs, travel	1	event	$35,000	$35,000	Assume sampling of 120 wells. TBD by Team.
Lab & Data Validation	1	each	$61,046	$61,046	See Lab & DV backup sheets
Equipment	1	event	$4,400	$4,400	
Report	1	each	$8,000	$8,000	
New Well Installation (30 new wells)					
Labor, ODCs, travel	1	event	$19,000	$19,000	17 shallow (15-35 ft bgs) and 13 deep (35-50 ft bgs) new monitoring wells. TBD by Team.
Utility Location	1	LS	$2,000	$2,000	
Drilling Subcontractor / well installation	1,245	LF	$100	$124,500	Includes mob, materials, labor
Survey	1	each	$2,000	$2,000	
Sample New Wells (30 wells)					
Labor, ODCs, travel	1	each	$11,000	$11,000	
Lab & Data Validation	1	each	$23,555	$23,555	
Equipment	1	event	$2,400	$2,400	
Report	1	each	$8,000	$8,000	
Downgradient Vertical Injection Wells					
Mobilization and Site Setup	1	LS	$60,000	$60,000	Based on written estimate from DeWind One Pass Trenching.
Utility Location	1	LS	$4,500	$4,500	Engineer's Estimate
Drilling Subcontractor / Injection Well Installation	68	Wells	$4,000	$272,000	Written estimate from Boart Longyear/Pro-Sonic. Includes mob, materials, labor
IDW Management	1	LS	$5,000	$5,000	
Survey	1	LS	$2,000	$2,000	
Travel and Perdiem	7	week	$2,000	$14,000	
Injection of Substrate/Culture					
Labor, ODCs, Travel	3	week	$9,500	$28,500	M-F. 8hrs injection time per day.
Injection Trailer Rental	3	week	$5,500	$16,500	
Emulsified Oil Material and Delivery	164	drum	$922	$151,208	EOS®-598 brand. See dosage calculation sheet for dosage per well calc. (0.002 lb EOS/lb soil)
Bioaugmentation Culture and Delivery	180	gal	$570	$102,600	Terra Systems (TSI) DC Bioaugmentation Culture (0.2% by volume)
Construction Report	1	each	$12,000	$12,000	Draft and Final Construction Completion Report
Subtotal				*$1,017,209*	
Contingency	*25%*			*$254,302*	
Project Management	*10%*			*$101,721*	
Remedial Design and Construction Overisight	*12%*			*$122,065*	
G&A	*7%*			*$71,205*	
Overhead & Profit	*8%*			*$81,377*	
			Total Implementation Cost	**$1,647,878**	

Table C-6 - Cost Estimate for Zone 2 Alternative 4 - Downgradient Enhanced Bioremediation Injection Wells, MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
FUTURE COSTS (30 years)					
LUCs (Years 1-30)					
IR Quarterly Inspections and reporting (4 per year)	30	year	$16,000	$480,000	4 inspections per year at $4,000 per inspection -- for 30 yrs. Assume contractor performs site inspections and reporting.
Subtotal			*$16,000*	*$480,000*	
Project Management	*10%*		*$1,600*	*$48,000*	
Subtotal			*$17,600*	*$528,000*	
LUCs Future Annual Cost			$22,880		Assumes 30% inflation
LUCs Total Future Cost				$686,400	Assumes 30% inflation
Present Value (2.7%) of Future Cost of LUCs	*30*	*year*	*2.7%*	*$466,360*	*Y2010 PV calculated for 30-yrs-future-cost using 2.7% Real Discount Rate per Office of Management and Budget (2009) guidance.*
5-Year Reviews (Years 5, 10, 15… and 30)					
5-Year Review	6	each	$10,000	$117,000	5YR conducted once every 5 years. To be conducted in conjunction with other post-ROD sites at MCAS Cherry Point. Years, 5, 10… and 30. Includes pre-draft, draft, draft final, final, fact sheet, and public notices.
Subtotal			*$10,000*	*$117,000*	
Contingency	*25%*		*$2,500*	*$29,250*	
Project Management	*10%*		*$1,000*	*$11,700*	
General Conditions and Administration	*7%*		*$700*	*$8,190*	
Overhead & Profit	*8%*		*$800*	*$9,360*	
Subtotal			*$15,000*	*$175,500*	
5YR Total Annual Cost at Years 5, 10… and 30)			$19,500		Assumes 30% Inflation
5YR Total Future Cost				$228,150	Assumes 30% Inflation
Present Value (2.7%) of Future Cost of 5YRs	*30*	*year*	*2.7%*	*$75,315*	
Well Maintenance (Years 5, 10, 15… and 25)					
Repair flushmounts & vaults, potential well replacements, etc.	5	event	$25,000	$125,000	Assume well repairs needed approximately every 5 years.
Subtotal			*$25,000*	*$125,000*	
Contingency	*25%*		*$6,250*	*$31,250*	
Project Management	*10%*		*$2,500*	*$12,500*	
General Conditions and Administration	*7%*		*$1,750*	*$8,750*	
Overhead & Profit	*8%*		*$2,000*	*$10,000*	
Subtotal			*$37,500*	*$187,500*	
Well Maintenance Future Annual Cost at Years 5, 10… and 25)			$48,750		Assumes 30% Inflation
5YR Total Future Cost				$243,750	Assumes 30% Inflation
Present Value (2.7%) of Future Cost of Well Maintenance	*30*	*year*	*2.7%*	*$188,287*	
Well Abandonment (Year 30)					
Abandon wells when RAOs are achieved.	130	well	$750	$97,500	Assume well abandonment by filling with grout will occur at Year 30.
Labor	6	week	$7,500	$45,000	Includes injection wells
Travel & per diem	6	week	$2,000	$12,000	assume abandon all IR Program wells
Subtotal				*$154,500*	
Contingency	*25%*			*$38,625*	
Project Management	*10%*			*$15,450*	
General Conditions and Administration	*7%*			*$10,815*	
Overhead & Profit	*8%*			*$12,360*	
Subtotal				*$231,750*	
Inflation	*30%*			*$69,525*	
				$301,275	
Present Value (2.7%) of Future Cost of Well Abandonment	*30*	*year*	*2.7%*	*$135,472*	
Reinjection of Substrate in Downgradient PRB Every Two Years, for 30 years					
Labor, ODCs, Travel	6	week	$9,500	$57,000	M-F. 8hrs injection time per day.
Injection Trailer Rental	6	week	$5,500	$33,000	
Emulsified Oil Material and Delivery	328	drum	$922	$302,416	EOS®-598 brand. See dosage calculation sheet for dosage per well calc. (0.002 lb EOS/lb soil)
Subtotal				*$392,416*	
Contingency	*25%*			*$98,104*	
Project Management	*10%*			*$39,242*	
General Conditions and Administration	*7%*			*$27,469*	
Overhead & Profit	*8%*			*$31,393*	
Subtotal				*$588,624*	
Inflation	*30%*			*$176,587*	*Assumes 30% Inflation*
Subtotal				*$765,211*	
Present Value (2.7%) of Future Cost of Injections	*30*	*year*	*2.7%*	*$4,679,160*	
Performance Groundwater Monitoring (60 wells)					
Years 1 & 21 (Quarterly events)					
Labor, ODCs, travel	8	event	$21,000	$168,000	Assume 55 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	8	each	$24,248	$193,981	See lab & DV backup sheets
Equipment	8	event	$4,400	$35,200	
Report	8	each	$8,000	$64,000	
Subtotal			*$57,647.60*	*$461,180.80*	
Contingency	*25%*		*$14,412*	*$115,295*	
Project Management	*10%*		*$5,765*	*$46,118*	
G&A	*7%*		*$4,035*	*$32,283*	
Overhead & Profit	*8%*		*$4,612*	*$36,894*	
Subtotal			*$86,471*	*$691,771*	
Inflation	*30%*		*$25,941*	*$207,531*	
			$112,413	*$899,303*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 1 & 21			*2.7%*	*$626,369*	

Table C-6 - Cost Estimate for Zone 2 Alternative 4 - Downgradient Enhanced Bioremediation Injection Wells, MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
Years 2-20, and 22-30 (annual) (60 wells)					
Labor, ODCs, travel	28	event	$21,000	$588,000	Assume 50 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	28	each	$24,248	$678,933	See lab & DV backup sheets
Equipment	28	event	$4,400	$123,200	
Report	28	each	$8,000	$224,000	
Subtotal			*$57,647.60*	*$1,614,132.80*	
Contingency	*25%*		*$14,412*	*$403,533*	
Project Management	*10%*		*$5,765*	*$161,413*	
G&A	*7%*		*$4,035*	*$112,989*	
Overhead & Profit	*8%*		*$4,612*	*$129,131*	
Subtotal			*$86,471*	*$2,421,199*	
Inflation	*30%*		*$25,941*	*$726,360*	
			$112,413	*$3,147,559*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 2-20, & 22-30			*2.7%*	*$1,948,458*	
Total Present Value(2.7%) of All Future Costs			**2.7%**	**$8,119,422**	Y2010 PV calculated for 30 yrs future cost using 2.7 Real Discount Rate per Office of Management and Budget (2009) guidance.
TOTAL PV Cost of Zone 2 Alternative 4 - Downgradient ZVI PRB, MNA, and LUCs			*-30%*	*+50%*	
Using 2.7% Discount Rate for PV of Future Costs	**$9,767,300**		*$6,837,110*	*$14,650,950*	

Other Notes and References:

● The "Real" Discount Rate used to calculate the Present Value cost is 2.7% for a 30-year timeframe per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2009, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis" for Calendar Year 2010, http://www.whitehouse.gov/omb/circulars_a094_a94_appx-c/.

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2009 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

● USEPA. 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* . OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

● USEPA. 2000. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study* . With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

● The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternative. Changes in the cost elements are likely to occur as a result of new information and data collected during Baseline Sampling and the Remedial Design phase. This is an order-of-magnitude engineering cost estimate that is expected to be within –30 to +50 percent of the actual project cost (per USEPA, 1988 and 2000).

Table C-7 - Cost Estimate for Zone 2 Alternative 5 - Downgradient Air Sparge Curtain, MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Assumptions:
LUC RD prepared by contractor. 5YR performed with other MCAS Cherry Point sites. Quarterly inspections performed by contractor. Well maintenance required every 5yrs.
Baseline sampling of 120 wells for COCs and geochemical and biodegradation-related analyses.
Following review of baseline data, install 30 new monitoring wells: 17 shallow at 15-35 ft bgs and 13 deep at 35-50 ft bgs. Sample these for additional baseline data (COCs and geochem/biodeg analyses).
MNA for 15 years. 60 wells. Quarterly during injection year followed by four annual events. Subsequently, every 5 years.
Continuous operation of downgradient air sparge "curtain" for 30 years, using two horizontal wells

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
IMPLEMENTATION COST					
LUCs					
LUC Remedial Design and implementation into MCAS Cherry Point's plan & GIS, and into Navy's *LUC Tracker* .	1	each	$8,000	$8,000	Includes Draft and Final LUC Plans. Assume contractor prepares LUC RD.
UFP-SAP & Remedial Action Work Plan					
Work Plan for additional sampling, well installation, sparge operation, and groundwater performance monitoring (in Navy's UFP SAP format).	1	each	$40,000	$40,000	Pre-Draft, Draft, Draft Final, & Final. Includes Scoping sessions. Recent similar project.
Baseline Sampling (120 existing wells)					
Labor, ODCs, travel	1	event	$35,000	$35,000	Assume sampling of 120 wells. TBD by Team.
Lab & Data Validation	1	each	$61,046	$61,046	See Lab & DV backup sheets
Equipment	1	event	$4,400	$4,400	
Report	1	each	$8,000	$8,000	
New Well Installation (30 new wells)					
Labor, ODCs, travel	1	event	$19,000	$19,000	17 shallow (15-35 ft bgs) and 13 deep (35-50 ft bgs) new monitoring wells. TBD by Team.
Utility Location	1	LS	$2,000	$2,000	
Drilling Subcontractor / well installation	1,245	LF	$100	$124,500	Includes mob, materials, labor
Survey	1	each	$2,000	$2,000	
Sample New Wells (30 wells)					
Labor, ODCs, travel	1	each	$11,000	$11,000	
Lab & Data Validation	1	each	$23,555	$23,555	
Equipment	1	event	$2,400	$2,400	
Report	1	each	$8,000	$8,000	
Sparge Curtain Installation & Startup					
Equipment and Subcontractor					
Mobilization and Site Setup	1	EA	$5,000	$5,000	
Utility Location	1	LS	$2,500	$2,500	
Installation of HDD biosparge wells (2) to 50 and 70 feet bgs	2,200	LF	$160	$352,000	Based on verbal estimate by Trenchless Specialties (including decon, IDW containerization, and well development). Assumes 900 feet of slotted pipe and 1,300 feet of blank casing, two double ended wells.
HDPE Casing (4" HDPE) + freight	1,300	LF	$8	$10,400	Based on verbal estimate by PQ Products
HDPE Custom Slotted Well Screen + freight	900	LF	$15	$13,500	Based on verbal estimate by PQ Products
HDPE Conveyance Piping Materials, Trenching, and Installation	580	LF	$35	$20,300	Engineer's Estimate
Transport & Disposal of Soil Cuttings	16	rolloff	$2,400	$38,400	(8) 20CY rolloffs with transport & disposal
60 HP Screw Air Compressor, 400 gallon receiver, condensate system, etc	1	ea	$24,500	$24,500	Based on verbal estimate by Dominion Air and Machinery
8' x 20' Shipping Container w/ HVAC and Interior Manifold (no slab)	1	ea	$28,500	$28,500	Based on verbal estimate by Dominion Air and Machinery
Electrical Power Drop, 460 V/3 ph/200 A Service, Transformers, Poles	1	LS	$25,000	$25,000	Recent similar project at Camp Lejeune Site 86
Final Electrical Connections, Installation of Service Panel and Disconnect	1	LS	$6,000	$6,000	Recent similar project at Camp Lejeune Site 86
Equipment Delivery	1	ea	$3,000	$3,000	
Misc Piping, Fittings, Materials	1	LS	$3,000	$3,000	
Post Construction Site Survey	1	LS	$4,500	$4,500	
System Startup					
Labor	2	week	$7,500	$15,000	
Startup Equipment Rental	2	week	$300	$600	
Travel and Perdiem	2	week	$2,000	$4,000	
Construction Report	1	each	$12,000	$12,000	Draft and Final Construction Completion Report
Subtotal				*$917,101*	
Contingency	*25%*			*$229,275*	
Project Management	*10%*			*$91,710*	
Remedial Design and Construction Overisight	*12%*			*$110,052*	
G&A	*7%*			*$64,197*	
Overhead & Profit	*8%*			*$73,368*	
			Total Implementation Cost	**$1,485,703**	

Table C-7 - Cost Estimate for Zone 2 Alternative 5 - Downgradient Air Sparge Curtain, MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
FUTURE COSTS (30 years)					
LUCs (Years 1-30)					
IR Quarterly Inspections and reporting (4 per year)	30	year	$16,000	$480,000	4 inspections per year at $4,000 per inspection -- for 30 yrs. Assume contractor performs site inspections and reporting.
Subtotal			*$16,000*	*$480,000*	
Project Management	*10%*		*$1,600*	*$48,000*	
Subtotal			*$17,600*	*$528,000*	
LUCs Future Annual Cost			$22,880		Assumes 30% inflation
LUCs Total Future Cost				$686,400	Assumes 30% inflation
Present Value (2.7%) of Future Cost of LUCs	*30*	*year*	*2.7%*	*$466,360*	*Y2010 PV calculated for 30-yrs-future-cost using 2.7% Real Discount Rate per Office of Management and Budget (2009) guidance.*
5-Year Reviews (Years 5, 10, 15… and 30)					
5-Year Review	6	each	$10,000	$117,000	5YR conducted once every 5 years. To be conducted in conjunction with other post-ROD sites at MCAS Cherry Point. Years, 5, 10… and 30. Includes pre-draft, draft, draft final, final, fact sheet, and public notices.
Subtotal			*$10,000*	*$117,000*	
Contingency	*25%*		*$2,500*	*$29,250*	
Project Management	*10%*		*$1,000*	*$11,700*	
General Conditions and Administration	*7%*		*$700*	*$8,190*	
Overhead & Profit	*8%*		*$800*	*$9,360*	
Subtotal			*$15,000*	*$175,500*	
5YR Total Annual Cost at Years 5, 10… and 30)			$19,500		Assumes 30% Inflation
5YR Total Future Cost				$228,150	Assumes 30% Inflation
Present Value (2.7%) of Future Cost of 5YRs	*30*	*year*	*2.7%*	*$75,315*	
Well Maintenance (Years 5, 10, 15… and 25)					
Repair flushmounts & vaults, potential well replacements, etc.	5	event	$25,000	$125,000	Assume well repairs needed approximately every 5 years.
Subtotal			*$25,000*	*$125,000*	
Contingency	*25%*		*$6,250*	*$31,250*	
Project Management	*10%*		*$2,500*	*$12,500*	
General Conditions and Administration	*7%*		*$1,750*	*$8,750*	
Overhead & Profit	*8%*		*$2,000*	*$10,000*	
Subtotal			*$37,500*	*$187,500*	
Well Maintenance Future Annual Cost at Years 5, 10… and 25)			$48,750		Assumes 30% inflation
5YR Total Future Cost				$243,750	Assumes 30% inflation
Present Value (2.7%) of Future Cost of Well Maintenance	*30*	*year*	*2.7%*	*$188,287*	
Well Abandonment (Year 30)					
Abandon wells when RAOs are achieved.	130	well	$750	$97,500	Assume well abandonment by filling with grout will occur at Year 30.
Labor	6	week	$7,500	$45,000	Includes injection wells
Travel & per diem	6	week	$2,000	$12,000	assume abandon all IR Program wells
Subtotal				*$154,500*	
Contingency	*25%*			*$38,625*	
Project Management	*10%*			*$15,450*	
General Conditions and Administration	*7%*			*$10,815*	
Overhead & Profit	*8%*			*$12,360*	
Subtotal				*$231,750*	
Inflation	*30%*			*$69,525*	
				$301,275	
Present Value (2.7%) of Future Cost of Well Abandonment	*30*	*year*	*2.7%*	*$135,472*	
Sparge Curtain O&M Years 1-30					
Year 1 O&M					
Weekly System Checks for First Month	4	events	$850	$3,400	
Monthly O&M Labor + Travel	12	events	$850	$10,200	
Quarterly "Heavy" Maintenance	4	events	$1,400	$5,600	
O&M Supplies	1	LS	$1,500	$1,500	
Electrical usage ($0.075/kw-hr, 60 hp peak motor rating)	1	year	$29,400	$29,400	Power cost assumes $0.075/kW-hr
Subtotal				*$50,100*	
Contingency	*25%*			*$12,525*	
Project Management	*10%*			*$5,010*	
General Conditions and Administration	*7%*			*$3,507*	
Overhead & Profit	*8%*			*$4,008*	
Year 1 Subtotal				*$75,150*	
Year 2-30 O&M					
Monthly O&M Labor + Travel	29	years	$10,200	$295,800	
Quarterly "Heavy" Maintenance	29	years	$5,600	$162,400	
Replace Compressors at Year 15	1	event	$65,000	$65,000	
O&M Supplies	29	years	$1,500	$43,500	
Electrical usage ($0.075/kw-hr, 60 hp peak motor rating)	29	years	$29,400	$852,600	Power cost assumes $0.075/kW-hr
Subtotal			$46,700	*$1,419,300*	
Contingency	*25%*		*$11,675*	*$354,825*	
Project Management	*10%*		*$4,670*	*$141,930*	
General Conditions and Administration	*7%*		*$3,269*	*$99,351*	
Overhead & Profit	*8%*		*$3,736*	*$113,544*	
Subtotal				*$2,128,950*	
Sparge O&M Annual Cost			$91,065		*Assumes 30% inflation*
Sparge O&M Total Future Cost				$2,767,635	*Assumes 30% inflation*
Present Value (2.7%) of Future Cost of Sparge O&M	*30*	*year*	*2.7%*	*$1,890,367*	
Performance Groundwater Monitoring (60 wells)					
Years 1 & 21 (Quarterly events)					

Table C-7 - Cost Estimate for Zone 2 Alternative 5 - Downgradient Air Sparge Curtain, MNA, and LUCs
OU 1 Feasibility Study, MCAS Cherry Point, North Carolina

Item/Activity	Qty	Unit	Unit Cost	Cost	Notes & Comments
Labor, ODCs, travel	8	event	$21,000	$168,000	Assume 55 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	8	each	$24,248	$193,981	See lab & DV backup sheets
Equipment	8	event	$4,400	$35,200	
Report	8	each	$8,000	$64,000	
Subtotal			*$57,647.60*	*$461,180.80*	
Contingency	*25%*		*$14,412*	*$115,295*	
Project Management	*10%*		*$5,765*	*$46,118*	
G&A	*7%*		*$4,035*	*$32,283*	
Overhead & Profit	*8%*		*$4,612*	*$36,894*	
Subtotal			*$86,471*	*$691,771*	
Inflation	*30%*		*$25,941*	*$207,531*	
			$112,413	*$899,303*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 1 & 21			*2.7%*	*$626,369*	
Years 2-20, and 22-30 (annual) (60 wells)					
Labor, ODCs, travel	28	event	$21,000	$588,000	Assume 50 wells in performance monitoring program. TBD by Team.
Lab & Data Validation	28	each	$24,248	$678,933	See lab & DV backup sheets
Equipment	28	event	$4,400	$123,200	
Report	28	each	$8,000	$224,000	
Subtotal			*$57,647.60*	*$1,614,132.80*	
Contingency	*25%*		*$14,412*	*$403,533*	
Project Management	*10%*		*$5,765*	*$161,413*	
G&A	*7%*		*$4,035*	*$112,989*	
Overhead & Profit	*8%*		*$4,612*	*$129,131*	
Subtotal			*$86,471*	*$2,421,199*	
Inflation	*30%*		*$25,941*	*$726,360*	
			$112,413	*$3,147,559*	
Present Value (2.7%) of Future Cost of Groundwater Sampling Years 2-20, & 22-30			*2.7%*	*$1,948,458*	
Total Present Value (2.7%) of All Future Costs			**2.7%**	**$5,330,630**	Y2010 PV calculated for 30 yrs future cost using 2.7 Real Discount Rate per Office of Management and Budget (2009) guidance.
TOTAL PV Cost of Zone 2 Alternative 5 - Downgradient Air Sparge Curtain, MNA, and LUCs			*-30%*	*+50%*	
Using 2.7% Discount Rate for PV of Future Costs	**$6,816,332**		*$4,771,433*	*$10,224,499*	

Other Notes and References:

● The "Real" Discount Rate used to calculate the Present Value cost is 2.7% for a 30-year timeframe per the Office of Management and Budget (OMB), Circular A-94, Appendix C, Revised December 2009, "Discount Rates for Cost Effectiveness, Lease Purchase, and Related Analysis" for Calendar Year 2010, http://www.whitehouse.gov/omb/circulars_a094_a94_appx-c/.

The Real Discount Rates are a forecast of real interest rates from which the inflation premium has been removed and based on the economic assumptions from the December 2009 Budget Baseline. These real rates are to be used for discounting constant-dollar flows, as is often required in cost-effectiveness analysis.

● USEPA. 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* . OSWER Directive 9355.3-01. EPA/540/G-89/004. October.

● USEPA. 2000. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study* . With the U.S. Army Corps of Engineers. OSWER 9355.0-75. EPA 540-R-00-002. July.

● The information in this cost estimate is based on the best available information regarding the anticipated scope of the remedial alternative. Changes in the cost elements are likely to occur as a result of new information and data collected during Baseline Sampling and the Remedial Design phase. This is an order-of-magnitude engineering cost estimate that is expected to be within –30 to +50 percent of the actual project cost (per USEPA, 1988 and 2000).