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NAS KEY WEST
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BOCA CHICA FLYING CLUB ANNUAL GROUNDWATER MONITORING REPORT FOR 2004
WITH TRANSMITTAL LETTER NAS KEY WEST FL
7/29/2004
TETRA TECH NUS

TETRA TECH NUS, INC.

AIK-04-0166

July 29, 2004

Project Number HK 5658 *via U.S. mail*

Commander
Department of the Navy
SOUTHDIV NAVFACENGCOM
ATTN: Byas Glover (Code ES24)
P.O. Box 190010
North Charleston, South Carolina 29419-9010

Reference: CLEAN Contract No. N62467-94-D-0888
Contract Task Order No. 0301

Subject: Flying Club Annual Groundwater Monitoring Report, Rev. 0,
Naval Air Station, Key West, Florida

Dear Mr. Glover:

TtNUS is pleased to submit the enclosed PDF file for the final Flying Club Annual Groundwater Monitoring Report, Rev. 0, Naval Air Station, Key West, Florida. The file is being distributed to the members of the NAS Key West Partnering Team via U.S. mail for their convenience and to meet TtNUS's contractual obligation under CTO 0301. I am not expecting to receive any comments on this report.

Please call me at (803) 649-7963, extension 345, if you have any questions regarding the report.

Sincerely,

C. M. Bryan
Project Manager

CMB:spc

Enclosure

c: Ms. Debbie Wroblewski (Cover Letter Only)
Mr. R. Courtright, NAS Key West
Ms. T. Vaught, FDEP
Mr. M. Perry/File
File 5658-7.2.4

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Flying Club Annual Groundwater Monitoring Report

Naval Air Station
Key West, Florida

Southern Division

Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0301

July 2004

Rev. 0
07/30/04

FLYING CLUB ANNUAL GROUNDWATER MONITORING REPORT

NAVAL AIR STATION
KEY WEST, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

Submitted by:
Tetra Tech NUS, Inc.
661 Anderson Drive
Foster Plaza 7
Pittsburgh, Pennsylvania 15220

CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0301

JULY 2004

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ACRONYMS/ABBREVIATIONS

ABB	ABB Environmental Services, Inc.
AS	Air sparging
AST	Aboveground storage tank
AVGAS	Aviation gasoline
BEI	Bechtel Environmental, Inc.
CAR	Contamination Assessment Report
CLEAN	Comprehensive Long-Term Environmental Action Navy
CTO	Contract Task Order
EDB	Ethylene dibromide
FC	Flying Club
FDEP	Florida Department of Environmental Protection
GCTL	Groundwater cleanup target level
KAG	Kerosene analytical group
µg/L	Micrograms per liter
MNA	Monitored natural attenuation
MW	Monitoring well
NAS	Naval Air Station
NAVFAC EFD SOUTH	Southern Division, Naval Facilities Engineering Command
OVA	Organic vapor analyzer
PAH	polynuclear aromatic hydrocarbons
ppm	Parts per million
RAP	Remedial Action Plan
SVE	Soil vapor extraction
TOC	Top-of-casing
TRPH	Total recoverable petroleum hydrocarbons
TtNUS	Tetra Tech NUS, Inc.
UST	Underground storage tank
VOC	Volatile organic compound

1.0 FLYING CLUB MNA REPORT

Tetra Tech NUS, Inc. (TtNUS) has been contracted by the Department of the Navy, Southern Division, Naval Facilities Engineering Command (NAVFAC EFD SOUTH) to perform monitored natural attenuation (MNA) at the Flying Club, Naval Air Station (NAS) Key West, Florida. This Annual Groundwater Monitoring Report has been prepared under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract Number N62467-94-D-0888, Contract Task Order (CTO) number 0301. This report presents groundwater monitoring results for samples collected quarterly for the past year.

1.1 SITE HISTORY OVERVIEW

Figure 1-1 shows the general location of the Flying Club site on Boca Chica Key. Specifically, the site is located along the northwest boundary of Taxiway H and the site includes a former motor pool refueling point that used underground storage tanks (USTs) to store gasoline (Figure 1-2). An aviation gasoline (AVGAS) aboveground storage tank (AST) area was located approximately 50 feet south of the former motor pool refueling area. The area is currently used as an electrical repair and maintenance facility (Building A-126) and a waste storage area (Building A-133).

1.1.1 History of Assessment Activities

Soils from the site were field-screened with an Organic Vapor Analyzer (OVA) to assess for the presence of contaminated soil during the Contamination Assessment conducted in April 1994. Seventy-one soil borings were advanced, each 6 feet deep. OVA screening results indicated the presence of excessively contaminated soils (greater than 50 parts per million [ppm]) in four areas. The largest of these areas measured approximately 70 feet by 40 feet and was located southeast of Building A-133. Three smaller areas of excessively contaminated soil were identified near the former AVGAS dispenser, north of Building A-133, and northwest of Building A-133. OVA readings greater than 500 ppm were observed in 20 soil samples (ABB, 1994).

During the Contamination Assessment conducted in April 1994, groundwater samples were collected from twenty monitoring wells at the Flying Club and analyzed for Kerosene Analytical Group (KAG) parameters. KAG analyses consisted of volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), ethylene dibromide (EDB), total lead, and total recoverable petroleum hydrocarbons (TRPH). The Florida Department of Environmental Protection (FDEP) Class G-III aquifer cleanup goals were exceeded for VOCs and PAHs. Two areas of VOC contamination were identified, one near the former AVGAS ASTs and dispenser and the other near the former motor pool USTs. The highest total benzene concentration in a groundwater sample, 710 micrograms per liter (µg/L), was found near the former AVGAS dispenser.

The monitoring wells were resampled in August 1996, as part of the Remedial Action Plan (RAP) preparation. The 1996 data indicated significant changes in the degree and extent of contamination originally defined in the Contamination Assessment Report (CAR). The highest VOC concentrations were found in samples from monitoring well FC-MW-06. Based on the 1996 sampling results, the RAP recommended the removal of an estimated 2,126 cubic yards of contaminated soil. The largest volume of soil recommended for excavation was in the vicinity of the former motor pool USTs, near Building A-133 (ABB, 1997).

In 1998, based on recommendations in the RAP, approximately 983 cubic yards of soil were removed from the Flying Club site. The amount excavated was less than scoped in the RAP because natural attenuation had reduced soil contamination since the contamination assessment was performed, and cleanup goals had been revised since production of the RAP. The ion collider process was used to treat the contaminated soil. The excavated areas at the Flying Club site were then backfilled with the treated soil (BEI, 1999).

A quarterly groundwater monitoring plan was implemented in August 1999. In April 2001, total VOA concentrations for samples from monitoring wells FC-MW-06 and FC-MW-20 (replaced by FC-MW-22) were 52 µg/L and 11 µg/L, respectively. These VOA concentrations were below the applicable cleanup guidelines. However, naphthalene and TRPH concentrations had increased in FC-MW-20. Because concentrations of several contaminants did not decrease over several quarters of monitoring, TtNUS recommended a treatability study be performed to investigate the efficacy of enhancing the degradation of contaminants under aerobic conditions (TtNUS, 2001).

In May 2002, an air sparging (AS)/soil vapor extraction (SVE) Treatability Study was initiated at the site to remediate residual hydrocarbon contaminants in the soil and groundwater. The remedial system operated effectively from June 2002 through January 2003, with the exception of a one-week period when the system was down for equipment repair. TtNUS performed routine operation and maintenance during monthly site visits. The trailer containing the AS/SVE system was removed in February 2003 after completion of the treatability study. Quarterly groundwater samples were collected during operation of the AS/SVE system, in September 2002 and January 2003. Results are reported in the AS/SVE Treatability Study Evaluation Report (TtNUS, 2003a). Flying Club monitoring wells were again sampled in May 2003, August 2003, November 2003, and February 2004. The post-treatability study groundwater results are reported in the Post-Treatability Study Monitoring Report (TtNUS, 2003b), the Flying Club MNA Report for August 2003 (TtNUS, 2003c), the Flying Club MNA Report for November 2003 (TtNUS, 2004a), and the Flying Club MNA Report for February 2004 (TtNUS, 2004b).

1.2 GROUNDWATER MONITORING MAY 2004

Groundwater samples were collected from three previously sampled monitoring wells at the Flying Club in May 2004. Immediately prior to the collection of the groundwater samples, water levels were recorded from each site monitoring well. The water level data was used to determine purge volumes. In addition, depth-to-water measurements and top-of-casing (TOC) elevations were used to calculate groundwater elevations. Based on these elevations, the groundwater was flowing primarily to the south-southeast at the time of the May 2004 sampling event. Figure 1-2 depicts the groundwater elevations recorded on May 22, 2004. Depth-to-water measurements, TOC elevations, and groundwater elevation data are provided in Table 1-1.

All monitoring wells were purged prior to collection of the groundwater samples. Purging and sampling were performed with a peristaltic pump using the low-flow quiescent method. Water sampling logs for May 2004, which detail the purge process, are provided in Appendix A.

Following collection of the groundwater samples, the sample bottles were packed on ice and shipped via overnight transport to Katahdin Analytical Laboratory in Westbrook, Maine. The groundwater samples were analyzed for compounds in the KAG. The analytical results are summarized in Table 1-2. Figure 1-3 presents the five quarters of monitoring results since the treatability study was completed (May, August, and November 2003, February 2004, and May 2004).

The May 2004 analytical results were consistent with the results from February 2004, with some KAG constituents detected at a slightly higher level and some at a slightly lower level than the previously reported concentrations. Several KAG constituents were detected in the groundwater sample from monitoring well FC-MW-06, but all were below FDEP Groundwater Cleanup Target Levels (GCTLs). Lead, ethylbenzene, 1- and 2-methylnaphthalene, and naphthalene exceeded their respective GCTLs in the sample from monitoring well FC-MW-22. KAG constituents were not detected in the sample from monitoring well FC-MW-05. Validation reports are included in Appendix B.

1.3 CONCLUSIONS AND RECOMMENDATIONS

Lead, ethylbenzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene were detected above GCTLs in groundwater collected from monitoring well FC-MW-22 in May 2004. These chemicals have also exceeded GCTLs in groundwater collected from FC-MW-22 in quarterly monitoring events since shutdown of the AS/SVE system. In addition, TRPH concentrations in FC-MW-22 exceeded GCTLs in May and August 2003.

The AS/SVE Treatability Study Evaluation Report (TtNUS, 2003a) concluded that the overall KAG contamination in the previously-defined source area monitoring well (FC-MW-06) had decreased since implementation of the AS/SVE system. However, groundwater samples from FC-MW-22 have shown an

increase in concentrations of VOAs, PAHs, and lead following the treatability study. Although a decrease in KAG concentrations was observed from May through November 2003, concentrations of contaminants of concern (COCs) have been consistent during the past three sampling events, and remain above GCTLs.

FDEP is currently revising GCTLs. The current and historical data indicate that this site will not meet the MNA requirements for the revised GCTLs, which suggests that additional action will be likely at this site once the new GCTLs are promulgated. The Navy has initiated a focused Site Assessment at the Flying Club site to further assess soil and groundwater contamination with goal of determining the source for the continuing high levels of contaminants observed in groundwater.

TABLE 1-1

TOTAL DEPTHS, TOP OF CASING ELEVATIONS, AND WATER TABLE ELEVATIONS
MAY 2004
FLYING CLUB ANNUAL GROUNDWATER MONITORING REPORT
NAVAL AIR STATION
KEY WEST, FLORIDA

Well ID	Date	Total Depth (ft)	TOC Elevation (ft)	Depth-to-water (ft below TOC)	Groundwater Elevation (ft)
FC-MW-05	05/22/2004	11.65	5.78	4.37	1.41
FC-MW-06	05/22/2004	12.49	4.86	3.32	1.54
FC-MW-22	05/22/2004	14.85	5.07	3.65	1.42

Top of Casing (TOC) Elevations were surveyed by Donaldson, Garrett, and Associates in September 2002. Vertical datum is National Geodetic Vertical Datum of 1929 (NGVD 29).

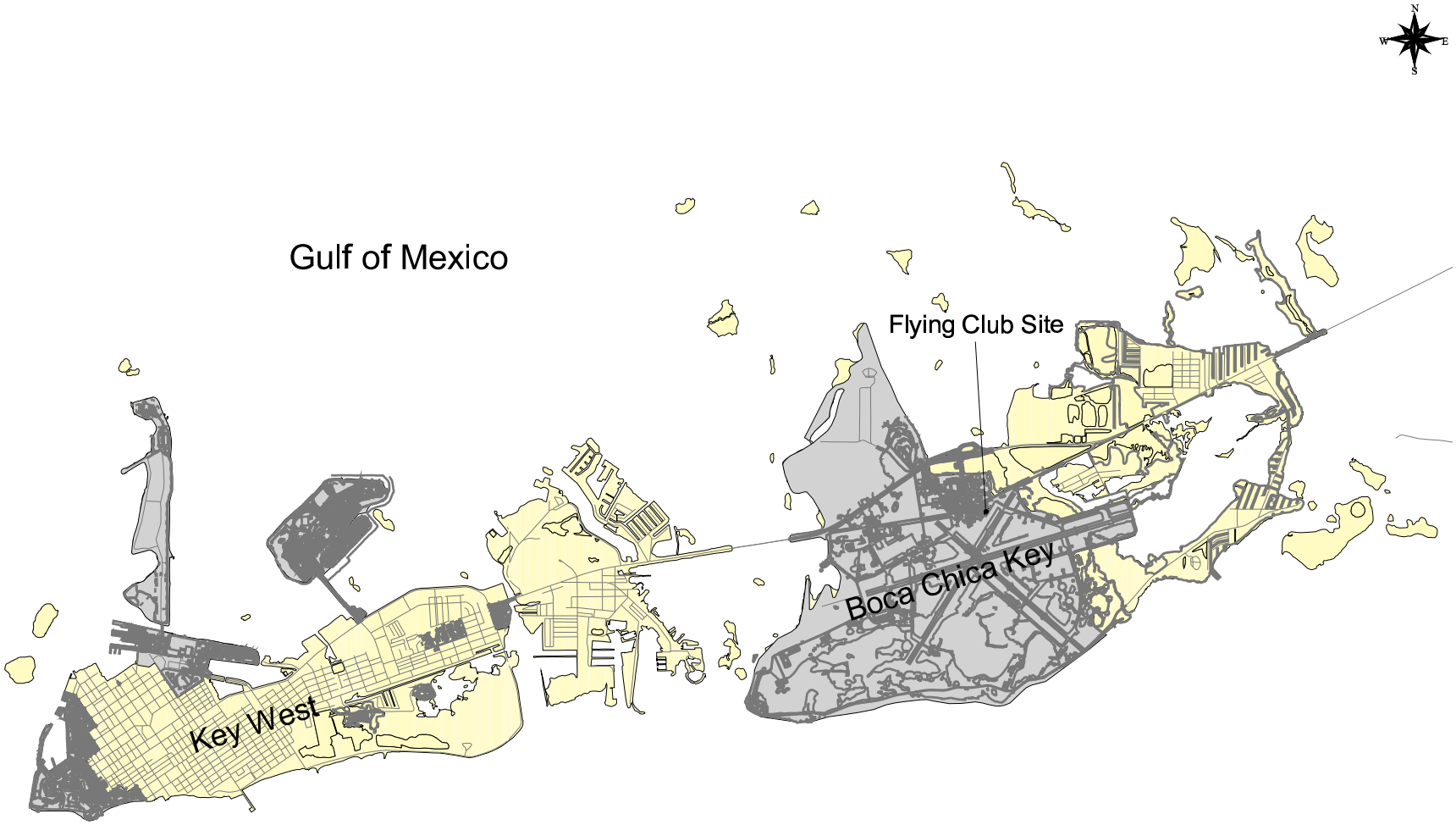
TABLE 1-2

GROUNDWATER ANALYTICAL RESULTS
MAY 2004
FLYING CLUB ANNUAL GROUNDWATER MONITORING REPORT
NAVAL AIR STATION
KEY WEST, FLORIDA

LOCATION	PARAMETER	RESULT[a] (µg/L)	QUAL.[b]	GCTL[c] (µg/L)
Lead				
FC-MW-06-0504	LEAD	2		15
FC-MW-22-0504-AVG	LEAD	43		
Volatile Organic Compounds (VOCs)				
FC-MW-06-0504	BENZENE	0.1	J	1
FC-MW-06-0504	ETHYLBENZENE	0.5	J	30
FC-MW-22-0504-AVG	ETHYLBENZENE	39		
FC-MW-22-0504-AVG	TOLUENE	0.65	J	40
FC-MW-06-0504	TOTAL XYLENES	0.3	J	20
FC-MW-22-0504-AVG	TOTAL XYLENES	6.3		
Polynuclear Aromatic Hydrocarbons (PAHs)				
FC-MW-06-0504	1-METHYLNAPHTHALENE	0.21		20
FC-MW-22-0504-AVG	1-METHYLNAPHTHALENE	30	J	
FC-MW-06-0504	2-METHYLNAPHTHALENE	0.34		20
FC-MW-22-0504-AVG	2-METHYLNAPHTHALENE	58.5		
FC-MW-22-0504-AVG	ACENAPHTHENE	0.0895[1]	J	20
FC-MW-06-0504	NAPHTHALENE	0.2		20
FC-MW-22-0504-AVG	NAPHTHALENE	205		
Total Petroleum Hydrocarbons (TPH)				
FC-MW-22-0504-AVG	TOTAL PETROLEUM HYDROCARBONS	2,000		5,000

Shading indicates a concentration in excess of the GCTL.
The notation "AVG" indicates that duplicate samples were collected and averaged for the reported result.

(a) Result:
  (1) The analyte was detected in only one of two duplicate samples. For averaging purposes, one-half the detection limit was averaged with the detected result.
(b) Qualifier (Qual.):
  J – The result is an estimated quantity.
(c) Groundwater Cleanup Target Level (GCTL) as listed in F.A.C. 62-777 Table I.



LEGEND

NAS Key West Property

0.5 0 0.5 1 1.5 Miles

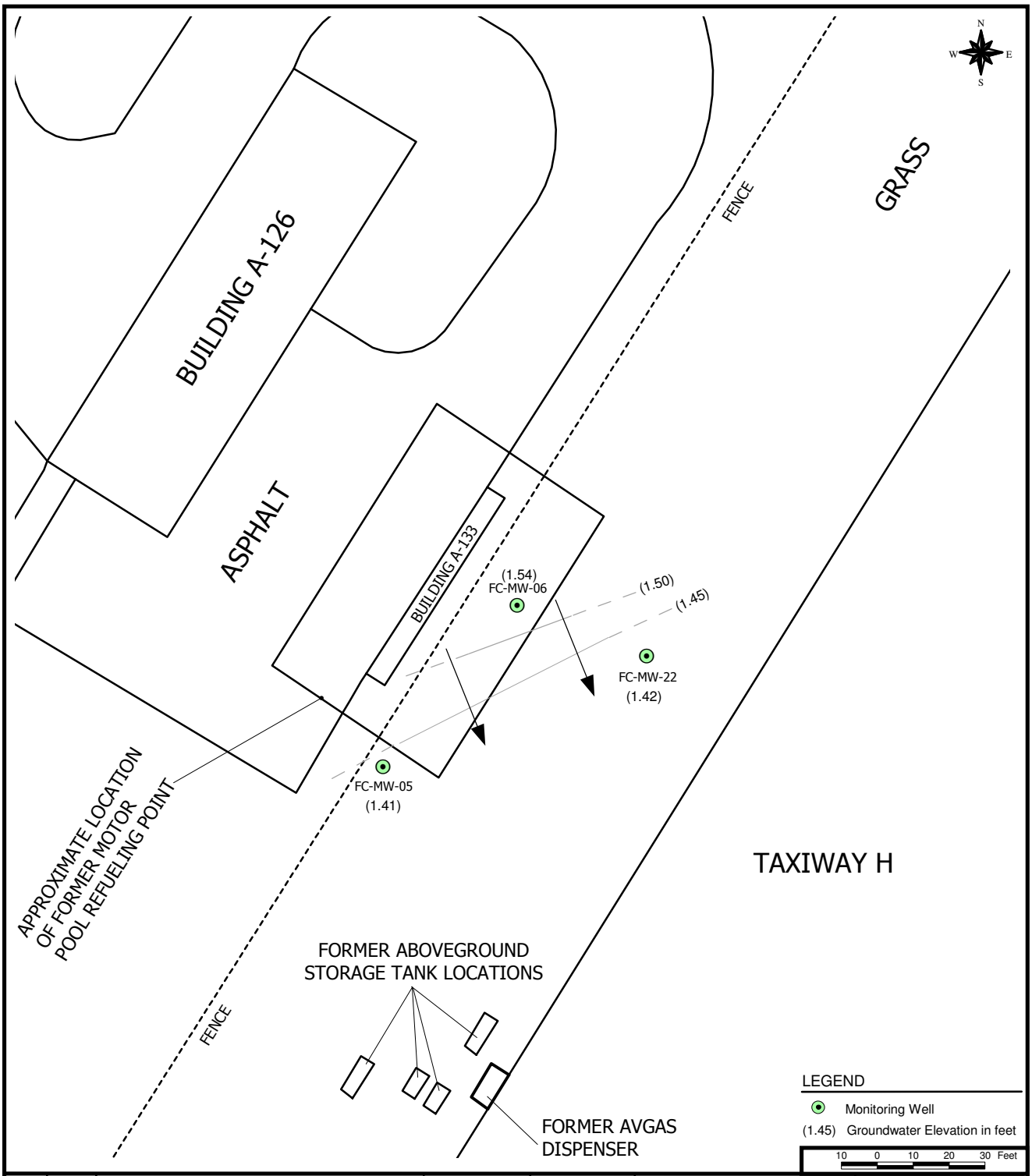
NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 07/22/2004
CHECKED BY PC	DATE 07/30/2004
COST/SCHED-AREA	

FLYING CLUB ANNUAL
GROUNDWATER MONITORING REPORT
SITE LOCATION MAP
NAVAL AIR STATION
KEY WEST, FLORIDA

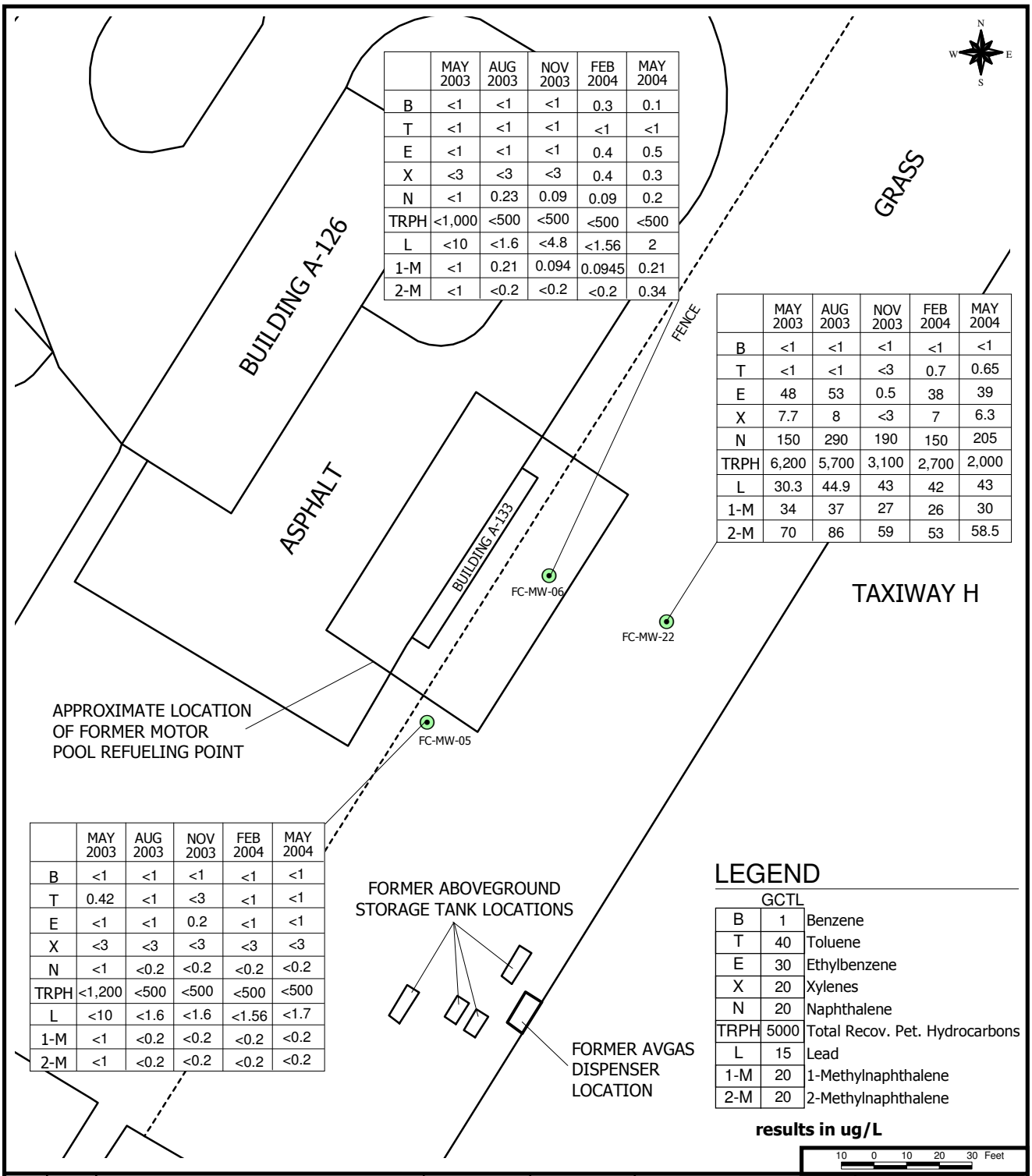
CONTRACT NO. N5658	
APPROVED BY CMB	DATE 07/30/2004
APPROVED BY	DATE
FIGURE NO. 1-1	REV. 0

K:\FLYING CLUB MNA REPORT.APR LAYOUT: FIGURE 1-1 ANNUAL REPORT BY: EHM 07/21/2004



NO.	DATE	REVISIONS	DRAWN BY EHM	DATE 07/21/2004	FLYING CLUB ANNUAL GROUNDWATER MONITORING REPORT GROUNDWATER ELEVATION MAP NAVAL AIR STATION KEY WEST, FLORIDA	CONTRACT NO. N5658	
			CHECKED BY PC	DATE 07/30/2004		APPROVED BY CMB	DATE 07/30/2004
			COST/SCHED-AREA			APPROVED BY	DATE
			SCALE AS NOTED			FIGURE NO. 1-2	REV. 0

K:\FLYING CLUB MNA REPORT.APR LAYOUT: FIGURE 1-2 ANNUAL REPORT BY: EHM 07/21/2004



	MAY 2003	AUG 2003	NOV 2003	FEB 2004	MAY 2004
B	<1	<1	<1	0.3	0.1
T	<1	<1	<1	<1	<1
E	<1	<1	<1	0.4	0.5
X	<3	<3	<3	0.4	0.3
N	<1	0.23	0.09	0.09	0.2
TRPH	<1,000	<500	<500	<500	<500
L	<10	<1.6	<4.8	<1.56	2
1-M	<1	0.21	0.094	0.0945	0.21
2-M	<1	<0.2	<0.2	<0.2	0.34

	MAY 2003	AUG 2003	NOV 2003	FEB 2004	MAY 2004
B	<1	<1	<1	<1	<1
T	<1	<1	<3	0.7	0.65
E	48	53	0.5	38	39
X	7.7	8	<3	7	6.3
N	150	290	190	150	205
TRPH	6,200	5,700	3,100	2,700	2,000
L	30.3	44.9	43	42	43
1-M	34	37	27	26	30
2-M	70	86	59	53	58.5

	MAY 2003	AUG 2003	NOV 2003	FEB 2004	MAY 2004
B	<1	<1	<1	<1	<1
T	0.42	<1	<3	<1	<1
E	<1	<1	0.2	<1	<1
X	<3	<3	<3	<3	<3
N	<1	<0.2	<0.2	<0.2	<0.2
TRPH	<1,200	<500	<500	<500	<500
L	<10	<1.6	<1.6	<1.56	<1.7
1-M	<1	<0.2	<0.2	<0.2	<0.2
2-M	<1	<0.2	<0.2	<0.2	<0.2

NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 07/22/2004	FLYING CLUB ANNUAL GROUNDWATER MONITORING REPORT GROUNDWATER EXCEEDANCES NAVAL AIR STATION KEY WEST, FLORIDA	CONTRACT NO. N5658
CHECKED BY PC	DATE 07/30/2004		APPROVED BY CMB — DATE 07/30/2004
COST/SCHED-AREA			APPROVED BY ____ — DATE ____
SCALE AS NOTED			FIGURE NO. 1-3 — REV. 0

K:\FLYING CLUB MNA REPORT.APR LAYOUT: FIGURE 1-3 ANNUAL REPORT BY: EHM 07/22/2004

REFERENCES

ABB (ABB Environmental Services, Inc.), 1994. Contamination Assessment Report, Flying Club Site, Building A-127, Naval Air Station Key West, Boca Chica Field, Key West, Florida, prepared for Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM). Charleston, South Carolina.

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TtNUS, 2004a. Flying Club Monitored Natural Attenuation Report, November 2003, Naval Air Station, Key West, Florida, prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command (NAVFAC EFD SOUTH). Aiken, South Carolina, February.

TtNUS, 2004b. Flying Club Monitored Natural Attenuation Report, February 2004, Naval Air Station, Key West Florida, prepared for Department of the Navy, Southern Division, Naval Facilities Engineering Command (NAVFAC EFD SOUTH). Aiken, South Carolina, April.

APPENDIX A

LOG SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NAS KW - Flying Club
Project No.: CTO 301/ N5658
Location: NAS KW, Florida
Personnel: Gary Braganza, Brian Cole
Weather Conditions: Sunny, Windy 81°
Measuring Device: Slope
Tidally Influenced: Yes X No ___
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
FC-MW-05	5/22/08	9:25	5.78	11.65	4.37			
FC-MW-06	↓	9:27	4.86	12.49	3.32			
FC-MW-22	↓		5.07	14.85	3.65			

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST -
Project No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: FC-MW-05-0504
Sample Location: FC-MW-05
Sampled By: BC
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (^{0}C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 5/22/04								
Time: 1015								
Method: peri pump	clear	7.34	0.506	26.50	4.6	0.22	0.02	—

PURGE DATA: No purge data was collected for groundwater screening samples.

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 5/22/04								
Method: peri pump	INT	7.42	0.533	26.50	30.4	0.52	0.02	0945
Monitor Reading (ppm): 0.0	1.0	7.37	0.509	26.46	8.3	0.26	0.02	0955
Well Casing Diameter & Material	2.0	7.35	0.505	26.49	4.1	0.23	0.02	1005
Type: 2" PVC	2.5	7.35	0.499	26.50	7.3	0.24	0.02	1010
Total Well Depth (TD): 11.65	3.0	7.34	0.506	26.50	4.6	0.22	0.02	1015
Static Water Level (WL): 4.37								
One Casing Volume (gal/L): 1.16								
Start Purge (hrs): 0945								
End Purge (hrs): 1015								
Total Purge Time (min): 30								
Total Vol. Purged (gal/L): 3.0								

7.28
.16
1.1648

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
PPL VOHs, BTEX, MTBE	HCl	3x40mL	3
PAHs	none	2x 1L amber	2
TRPH	HCl	2x 1L amber	2
EDB	HCl	2x 40mL glass	2
Pb	HNO_3	1x 250mL poly	1

OBSERVATIONS / NOTES:

* capped, but no well cover

* gastropods (snails) living on tubing

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): B. Cole

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST -
Project No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: FC-MW-06-0504
Sample Location: FC-MW-06
Sampled By: BC
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 5/22/04								
Time: 1215								
Method: per pump	clear	7.83	0.349	25.83	99.1	0.21	0.01	—

PURGE DATA: No purge data was collected for groundwater screening samples.

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 5/22/04								
Method: per pump	INT	7.70	0.369	25.92	109.0	0.31	0.01	1100
Monitor Reading (ppm): 0.0	1.0	7.77	0.364	25.86	257.0	0.24	0.01	1110
Well Casing Diameter & Material Type: 2" PVC	2.0	7.81	0.364	25.87	193.0	0.26	0.01	1120
	3.0	7.81	0.358	26.12	124.0	0.23	0.01	1130
Total Well Depth (TD): 12.49	4.0	7.81	0.355	26.10	102.0	0.23	0.01	1140
Static Water Level (WL): 3.32	5.0	7.83	0.353	25.83	123.0	0.22	0.01	1150
One Casing Volume (gal/L): 1.47	6.0	7.83	0.352	25.83	109.0	0.22	0.01	1200
Start Purge (hrs): 1100	7.0	7.82	0.351	25.79	95.7	0.22	0.01	1210
End Purge (hrs): 1215	7.5	7.83	0.349	25.83	99.1	0.21	0.01	1215
Total Purge Time (min): 75								
Total Vol. Purged (gal/L): 7.5								

9.17
16
.4672

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
PPL VOHs, BTEX, MTBE	HCl	3x40mL	3
PAH	none	2x 1L amber	2
TRPH	HCl	2x 1L amber	2
EDB	HCl	2x 40mL glass	2
Pb	HNO_3	1x 250mL poly	1

OBSERVATIONS / NOTES:

purge 5x well volume b/c turbidity > 20.0

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - Flying Club
Project No.:

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: FC-MW-22-0504
Sample Location: FC-MW-22
Sampled By: GB
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (^{0}C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 5/22/04								
Time: 10:30								
Method: Peristaltic	clear	7.32	0.390	27.37	4.2	0.10	0.02	-206

PURGE DATA: No purge data was collected for groundwater screening samples.

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other Time
Date: 5/22/04								
Method: Peristaltic	2000 ml	7.19	0.413	27.01	148.0	0.60	0.02	9:50
Monitor Reading (ppm):	1000 ml	7.29	0.392	27.12	112.0	0.40	0.02	9:55
Well Casing Diameter & Material	1000 ml	7.35	0.373	27.17	91.2	0.29	0.02	10:00
Type: 2" PVC	1000 ml	7.38	0.371	27.37	94.2	0.24	0.02	10:05
Total Well Depth (TD): 14.85	1000 ml	7.36	0.381	27.17	68.2	0.16	0.02	10:10
Static Water Level (WL): 3.65	1000 ml	7.33	0.388	27.36	38.4	0.13	0.02	10:15
One Casing Volume(gal/L): 6.9	1000 ml	7.32	0.389	27.37	20.4	0.11	0.02	10:20
Start Purge (hrs): 9:40	1000 ml	7.32	0.390	27.37	4.6	0.10	0.02	10:25
End Purge (hrs): 10:25								
Total Purge Time (min): 45								
Total Vol. Purged (~~gal~~/L): 9L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
PPL VOHs, BTEX, MTBE	HCl	3x40mL	✓
PAH's	None	2x 1 liter ambers	✓
TRPH	HCl	2x 1 liter ambers	✓
EDB	HCl	3X40 ml	✓
Lead	HNO_3	1X 250 ml	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	KW-DUP-01-0504

Signature(s): Barry Bergeron

APPENDIX B

VALIDATION REPORTS

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**JULY 18, 2004**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOA/PAH/TPH/METHANE**
CTO 318, NAS KEY WEST
SDG 3181

SAMPLES: 20/Aqueous

A824-MW-01-0504	A824-MW-02-0504	A824-MW-03-0504
G01-MW02-0504	G01-MW-03-0504	G01-MW04-0504
G01-MW05-0504	G01-MW-10-0504	G01-MW11-0504
G01-MW-12-0504	KW-DUP-01-0504	KW-DUP-03-0504
KWTB-052104	KWTB-052404	RR-MW-06-0504
B01-MW-01-0504	B01-MW-03-0504	FC-MW-05-0504
FC-MW-06-0504	FC-MW-22-0504	

OVERVIEW

The sample set for CTO 318 NAS Key West, SDG 3181 consists of two (2) trip blanks, and eighteen (18) aqueous environmental samples. All samples were analyzed for volatile organic compounds (VOA) including 1,2-dibromoethane (EDB), polynuclear aromatic hydrocarbons (PAHs), methane, and total petroleum hydrocarbons. The trip blanks were analyzed for VOAs only. Two field duplicates were associated with this SDG: KW-DUP-01-0504 / FC-MW-22-0504 and KW-DUP-03-0504 / A824-MW-01-0504.

The samples were collected by TetraTech NUS on May 20, 21, and 24, 2004 and analyzed by Katahdin Analytical Services and Air Toxics Incorporated. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8260B, 8270C selective ion monitoring (SIM), Florida PRO, Modified RSK-175, and EPA method 504 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • Initial/continuing calibrations
• Laboratory method blank results
• Surrogate Recoveries
* • Field Duplicates
• Detection Limits

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A.

Volatiles

The following compound was detected in the method blanks:

Compound	Maximum Concentration	Blank Action Level
Methylene chloride	1.0 ug/L	10.0 ug/L

- Value < Reporting Limit (RL); report RL followed by a U.
- Value > RL and < Action level; report value followed by a U.

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. Because methylene chloride was not detected in any associated samples, no qualification of the data was necessary. Field quality control blanks were not qualified based on laboratory method blank contamination.

1,2-Dibromoethane (EDB)

The surrogate recoveries for samples G01-MW-12-0504 and G01-MW02-0504 were less than the lower quality control criterion for surrogate tetrachloro-m-xylene on both columns. The samples were re-analyzed with similar results. No action was taken on this basis because 1,2-dibromoethane was not detected in the samples.

The surrogate recoveries for samples G01-MW-10-0504, A824-MW-02-0504, and KW-DUP-03-0504 were less than the lower quality control criterion for surrogate tetrachloro-m-xylene on one column. No action was taken on this basis because 1,2-dibromoethane was not detected in the samples and the surrogate recoveries were acceptable on one column.

Polynuclear Aromatic Hydrocarbons

A surrogate recovery for sample G01-MW-03-0504 was less than the lower quality control criteria for surrogate fluorene-d10. No action was taken on this basis because no semivolatiles were detected and only surrogate was out of the criteria limit.

Sample G01-MW05-0504 had a concentration for 1-methylnaphthalene greater than the calibration range of the instrument. The diluted analysis (40X) diluted out the presence of this analyte. Therefore, the original result was used and was qualified as estimated (J).

Samples G01-MW-10-0504 (5X), G01-MW-12-0504 (10X), FC-MW-22-0504 (100X), KW-DUP-01-0504 (200X), G01-MW05-0504 (40X), and G01-MW11-0504 (20X) analyzed for PAHs required dilutions due to high concentrations of target compounds. The diluted results for these compounds have been transposed to the initial analysis and were used for validation. The initial analysis provides the lowest valid detection limit for the non-detected PAHs.

Total Petroleum Hydrocarbon

The surrogate recoveries for samples FC-MW-22-0504, G01-MW02-0504, and G01-MW05-0504 were less than the lower quality control criteria for surrogate O-terphenyl. No action was taken on this basis because the other surrogate had acceptable recoveries.

Additional Comments:

Positive results less than the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

The detection limits for bromodichloromethane, dibromochloromethane, cis-1,3-dichloropropene, trans-

1,3-dichloropropene, 1,1,2,2-tetrachloroethane, and vinyl chloride were greater than the detection limits stated in the laboratory specification. No action was taken on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Detection limits for bromodichloromethane, dibromochloromethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,1,2,2-tetrachloroethane, vinyl chloride, and methane were greater than defined in the laboratory specification. Methylene chloride was detected in the laboratory blanks.

Other Factors Affecting Data Quality: Several fractions had surrogates recoveries outside of the criteria limits.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the NFESC guidelines IRCDQM (Sept., 1999). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Edward Sedlmyer
Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	A824-MW-01-0504
samp_date	5/21/2004
lab_id	WU1519-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	A824-MW-01-0504
samp_date	5/21/2004
lab_id	WU1519-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	A824-MW-02-0504
samp_date	5/21/2004
lab_id	WU1519-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	0.2	J	P
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	0.5	J	P
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	A824-MW-02-0504
samp_date	5/21/2004
lab_id	WU1519-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	A824-MW-03-0504
samp_date	5/21/2004
lab_id	WU1519-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	A824-MW-03-0504
samp_date	5/21/2004
lab_id	WU1519-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-02-0504
samp_date	5/24/2004
lab_id	WU1529-5
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	0.2	J	P
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	G01-MW-02-0504
samp_date	5/24/2004
lab_id	WU1529-5
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-03-0504
samp_date	5/20/2004
lab_id	WU1503-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-03-0504
samp_date	5/20/2004
lab_id	WU1503-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-04-0504
samp_date	5/24/2004
lab_id	WU1529-6
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	G01-MW-04-0504
samp_date	5/24/2004
lab_id	WU1529-6
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-05-0504
samp_date	5/24/2004
lab_id	WU1529-7
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	0.4	J	P
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	0.2	J	P
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	G01-MW-05-0504
samp_date	5/24/2004
lab_id	WU1529-7
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-10-0504
samp_date	5/20/2004
lab_id	WU1503-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	2		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

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SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-10-0504
samp_date	5/20/2004
lab_id	WU1503-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-11-0504
samp_date	5/24/2004
lab_id	WU1529-8
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1		
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1		
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	0.6	J	P
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	6		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	G01-MW-11-0504
samp_date	5/24/2004
lab_id	WU1529-8
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-12-0504	nsample	G01-MW-12-0504	nsample	KW-DUP-03-0504
samp_date	5/20/2004	samp_date	5/20/2004	samp_date	5/21/2004
lab_id	WU1503-5	lab_id	WU1503-5	lab_id	WU1519-5
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	A824-MW-01-0504

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	2		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	KW-DUP-03-0504
samp_date	5/21/2004
lab_id	WU1519-5
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	A824-MW-01-0504

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	KWTB-052104
samp_date	5/21/2004
lab_id	WU1519-6
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
VINYL CHLORIDE	2	U	

nsample	KWTB-052404
samp_date	5/22/2004
lab_id	WU1529-9
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	RR-MW-06-0504	nsample	RR-MW-06-0504
samp_date	5/21/2004	samp_date	5/21/2004
lab_id	WU1519-1	lab_id	WU1519-1
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	FC-MW-05-0504
samp_date	5/22/2004
lab_id	WU1529-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

nsample	FC-MW-05-0504
samp_date	5/22/2004
lab_id	WU1529-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	FC-MW-06-0504
samp_date	5/22/2004
lab_id	WU1529-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	0.1	J	P
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	0.5	J	P
M+P-XYLENES	0.3	J	P
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL XYLENES	0.3	J	P
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	FC-MW-06-0504	nsample	FC-MW-22-0504	nsample	FC-MW-22-0504
samp_date	5/22/2004	samp_date	5/22/2004	samp_date	5/22/2004
lab_id	WU1529-2	lab_id	WU1529-3	lab_id	WU1529-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	39		
M+P-XYLENES	6		
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.6	J	P
TETRACHLOROETHENE	1	U	
TOLUENE	0.6	J	P
TOTAL XYLENES	6.6		
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: OV

nsample	KW-DUP-01-0504	nsample	KW-DUP-01-0504
samp_date	5/22/2004	samp_date	5/22/2004
lab_id	WU1529-4	lab_id	WU1529-4
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:	FC-MW-22-0504	DUP_OF:	FC-MW-22-0504

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
2-CHLOROETHYL VINYL ETHER	1	U	
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	39		
M+P-XYLENES	6		
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.6	J	P
TETRACHLOROETHENE	1	U	
TOLUENE	0.7	J	P
TOTAL XYLENES	6.		
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	A824-MW-01-0504	nsample	A824-MW-02-0504	nsample	A824-MW-03-0504
samp_date	5/21/2004	samp_date	5/21/2004	samp_date	5/21/2004
lab_id	WU1519-2	lab_id	WU1519-3	lab_id	WU1519-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	B01-MW-01-0504	nsample	B01-MW-03-0504	nsample	G01-MW-02-0504
samp_date	5/20/2004	samp_date	5/20/2004	samp_date	5/24/2004
lab_id	WU1503-1	lab_id	WU1503-2	lab_id	WU1529-5
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	G01-MW-03-0504	nsample	G01-MW-04-0504	nsample	G01-MW-05-0504
samp_date	5/20/2004	samp_date	5/24/2004	samp_date	5/24/2004
lab_id	WU1503-3	lab_id	WU1529-6	lab_id	WU1529-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.19	J	P
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	3.8	J	L
2-METHYLNAPHTHALENE	0.2		
ACENAPHTHENE	92		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	3.6	J	P
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	2.4		
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	11		
PHENANTHRENE	2.5		
PYRENE	0.74		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	G01-MW-10-0504	nsample	G01-MW-11-0504	nsample	G01-MW-12-0504
samp_date	5/20/2004	samp_date	5/24/2004	samp_date	5/20/2004
lab_id	WU1503-4	lab_id	WU1529-8	lab_id	WU1503-5
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	9.6		
2-METHYLNAPHTHALENE	0.77		
ACENAPHTHENE	0.25		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.11	J	P
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.07	J	P
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	5.9		
PHENANTHRENE	0.87		
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	40		
2-METHYLNAPHTHALENE	43		
ACENAPHTHENE	2.6		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.28		
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	2.8		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	16		
PHENANTHRENE	3.6	J	P
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	16		
2-METHYLNAPHTHALENE	6.9		
ACENAPHTHENE	2.2		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.16	J	P
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	1.3		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	5.0		
PHENANTHRENE	2		
PYRENE	0.2	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	KW-DUP-03-0504	nsample	RR-MW-06-0504
samp_date	5/21/2004	samp_date	5/21/2004
lab_id	WU1519-5	lab_id	WU1519-1RA
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:	A824-MW-01-0504	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	FC-MW-05-0504	nsample	FC-MW-06-0504	nsample	FC-MW-22-0504
samp_date	5/22/2004	samp_date	5/22/2004	samp_date	5/22/2004
lab_id	WU1529-1	lab_id	WU1529-2	lab_id	WU1529-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2	U	
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.21		
2-METHYLNAPHTHALENE	0.34		
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.2		
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	28		
2-METHYLNAPHTHALENE	50		
ACENAPHTHENE	0.2	U	
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	190		
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: PAH

nsample	KW-DUP-01-0504
samp_date	5/22/2004
lab_id	WU1529-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	FC-MW-22-0504

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	32	J	P
2-METHYLNAPHTHALENE	67		
ACENAPHTHENE	0.079	J	P
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.2	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.2	U	
BENZO(K)FLUORANTHENE	0.2	U	
CHRYSENE	0.2	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.2	U	
FLUORENE	0.2	U	
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	220		
PHENANTHRENE	0.2	U	
PYRENE	0.2	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: PET

nsample	FC-MW-05-0504
samp_date	5/22/2004
lab_id	WU1529-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

nsample	FC-MW-06-0504
samp_date	5/22/2004
lab_id	WU1529-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

nsample	FC-MW-22-0504
samp_date	5/22/2004
lab_id	WU1529-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1800		

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: PET

nsample	KW-DUP-01-0504
samp_date	5/22/2004
lab_id	WU1529-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	FC-MW-22-0504

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	2200		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PET

nsample	A824-MW-01-0504
samp_date	5/21/2004
lab_id	WU1519-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

nsample	A824-MW-02-0504
samp_date	5/21/2004
lab_id	WU1519-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

nsample	A824-MW-03-0504
samp_date	5/21/2004
lab_id	WU1519-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-02-0504
samp_date	5/24/2004
lab_id	WU1529-5
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	440	J	P

nsample	G01-MW-03-0504
samp_date	5/20/2004
lab_id	WU1503-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

nsample	G01-MW-04-0504
samp_date	5/24/2004
lab_id	WU1529-6
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	810		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-05-0504
samp_date	5/24/2004
lab_id	WU1529-7
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1000		

nsample	G01-MW-10-0504
samp_date	5/20/2004
lab_id	WU1503-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1900		

nsample	G01-MW-11-0504
samp_date	5/24/2004
lab_id	WU1529-8
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	2000		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-12-0504	nsample	KW-DUP-03-0504	nsample	RR-MW-06-0504
samp_date	5/20/2004	samp_date	5/21/2004	samp_date	5/21/2004
lab_id	WU1503-5	lab_id	WU1519-5	lab_id	WU1519-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	A824-MW-01-0504	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	2700		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OVG

nsample	A824-MW-01-0504
samp_date	5/21/2004
lab_id	0405424B-05A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	0.21		

nsample	A824-MW-02-0504
samp_date	5/21/2004
lab_id	0405424B-06A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	0.03		

nsample	A824-MW-03-0504
samp_date	5/21/2004
lab_id	0405424B-07A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	0.01	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW02-0504	nsample	G01-MW-03-0504	nsample	G01-MW04-0504
samp_date	5/24/2004	samp_date	5/20/2004	samp_date	5/24/2004
lab_id	0405496-01A	lab_id	0405424A-01A	lab_id	0405496-02A
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/L	units	MG/L	units	MG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	0.38		

Parameter	Result	Val Qual	Qual Code
METHANE	0.69		

Parameter	Result	Val Qual	Qual Code
METHANE	0.87		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW05-0504
samp_date	5/24/2004
lab_id	0405496-03A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	3.7		

nsample	G01-MW-10-0504
samp_date	5/20/2004
lab_id	0405424A-02A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	2.6		

nsample	G01-MW11-0504
samp_date	5/24/2004
lab_id	0405496-04A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	7.8		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW-12-0504
samp_date	5/20/2004
lab_id	0405424A-03A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	5.6		

nsample	KW-DUP-03-0504
samp_date	5/21/2004
lab_id	0405424B-08A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	A824-MW-01-0504

Parameter	Result	Val Qual	Qual Code
METHANE	0.21		

nsample	RR-MW-06-0504
samp_date	5/21/2004
lab_id	0405424B-04A
qc_type	NM
units	MG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	0.17		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-2
Client ID: A824-MW-01-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-3
Client ID: A824-MW-02-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	J	0.2	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	J	0.5	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-4
Client ID: A824-MW-03-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-5
Client ID: G01-MW02-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7857
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	J	0.2	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date:
Analysis Date: 05/24/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-3
Client ID: G01-MW-03-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7754
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 06/01/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-6
Client ID: G01-MW04-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7892
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 06/01/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-7
Client ID: G01-MW05-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7892
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	J	0.4	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	J	0.2	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date:
Analysis Date: 05/24/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-4
Client ID: G01-MW-10-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7754
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		2	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 06/01/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-8
Client ID: G01-MW11-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7892
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane		1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.6	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene		1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		6	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date:
Analysis Date: 05/24/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-5
Client ID: G01-MW-12-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7754
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		2	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		109%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-4
Client ID: KW-DUP-01-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7857
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	J	0.7	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		39	1.0	1	1	0.2
1330-20-7	Xylenes (total)		6	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes		6	1.0	2	2	0.3
95-47-6	o-Xylene	J	0.6	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-5
Client ID: KW-DUP-03-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		116%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-6
Client ID: KWTB-052104
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 06/01/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-9
Client ID: KWTB-052404
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7892
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-1
Client ID: RR-MW-06-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-1
Client ID: FC-MW-05-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7857
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-2
Client ID: FC-MW-06-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7857
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	J	0.1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	J	0.5	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	J	0.3	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-3
Client ID: FC-MW-22-0504
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7857
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.2
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	J	0.6	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		39	1.0	1	1	0.2
1330-20-7	Xylenes (total)		6	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes		6	1.0	2	2	0.3
95-47-6	o-Xylene	J	0.6	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		108%				
460-00-4	P-Bromofluorobenzene		102%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 06/03/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-2RE
Client ID: A824-MW-01-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-3
Client ID: A824-MW-02-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		57%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-4
Client ID: A824-MW-03-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-5
Client ID: G01-MW02-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		* 55%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 06/17/04
Analysis Date: 06/17/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-5RE
Client ID: G01-MW02-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG8161
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		* 34%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-3
Client ID: G01-MW-03-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 06/03/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-6RE
Client ID: G01-MW04-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 06/02/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-7
Client ID: G01-MW05-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-4
Client ID: G01-MW-10-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		58%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 06/02/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-8
Client ID: G01-MW11-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-5
Client ID: G01-MW-12-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		* 54%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 06/03/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-5RE
Client ID: G01-MW-12-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		* 56%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-4
Client ID: KW-DUP-01-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-5
Client ID: KW-DUP-03-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		61%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 06/03/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-1RE
Client ID: RR-MW-06-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 06/03/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-1RE
Client ID: FC-MW-05-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 06/03/04
Analysis Date: 06/04/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-2RE
Client ID: FC-MW-06-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-3
Client ID: FC-MW-22-0504
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		71%				

AIR TOXICS LTD.

SAMPLE NAME: A824-MW-01-0504

ID#: 0405424B-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052814	Date of Collection:	5/21/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 12:41 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.21

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: A824-MW-02-0504

ID#: 0405424B-06A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052815	Date of Collection:	5/21/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 01:02 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.030

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: A824-MW-03-0504

ID#: 0405424B-07A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052816	Date of Collection:	5/21/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 01:23 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW02-0504

ID#: 0405496-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7060104	Date of Collection:	5/24/04
Dil. Factor:	1.00	Date of Analysis:	6/1/04 08:22 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.38

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-03-0504

ID#: 0405424A-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052818	Date of Collection:	5/20/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 02:06 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.69

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-03-0504 Duplicate

ID#: 0405424A-01AA

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052819	Date of Collection:	5/20/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 02:27 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.74

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW04-0504

ID#: 0405496-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7060105	Date of Collection:	5/24/04
Dil. Factor:	1.00	Date of Analysis:	6/1/04 08:43 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.87

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW05-0504

ID#: 0405496-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7060106	Date of Collection:	5/24/04
Dil. Factor:	1.00	Date of Analysis:	6/10/04 09:05 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	3.7

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-10-0504

ID#: 0405424A-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052820	Date of Collection:	5/20/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 02:48 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	2.6

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW11-0504

ID#: 0405496-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7060107	Date of Collection:	5/24/04
Dil. Factor:	1.00	Date of Analysis:	6/1/04 09:26 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	7.8

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-12-0504

ID#: 0405424A-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052321	Date of Collection:	5/20/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 03:10 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	5.6

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: KW-DUP-03-0504

ID#: 0405424B-08A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052817	Date of Collection:	5/21/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 01:45 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.21

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: RR-MW-06-0504

ID#: 0405424B-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052811	Date of Collection:	5/21/04
Dil. Factor:	1.00	Date of Analysis:	5/28/04 11:37 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.17

Container Type: VOA Vial-40 mL

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-2
Client ID: A824-MW-01-0504
SDG: CTO301318-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7768
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		77%				
81103-79-9	Fluorene-d10		80%				
1718-52-1	Pyrene-d10		79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-3
Client ID: A824-MW-02-0504
SDG: CTO301318-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7768
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		76%				
81103-79-9	Fluorene-d10		65%				
1718-52-1	Pyrene-d10		46%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-4
Client ID: A824-MW-03-0504
SDG: CTO301318-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7768
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		88%				
81103-79-9	Fluorene-d10		37%				
1718-52-1	Pyrene-d10		60%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/15/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-1
Client ID: B01-MW-01-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		94%				
81103-79-9	Fluorene-d10		57%				
1718-52-1	Pyrene-d10		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/15/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-2
Client ID: B01-MW-03-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		79%				
81103-79-9	Fluorene-d10		50%				
1718-52-1	Pyrene-d10		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-5
Client ID: G01-MW02-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		43%				
81103-79-9	Fluorene-d10		30%				
1718-52-1	Pyrene-d10		56%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-3
Client ID: G01-MW-03-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		37%				
81103-79-9	Fluorene-d10		* 24%				
1718-52-1	Pyrene-d10		33%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-6
Client ID: G01-MW04-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.19	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		45%				
81103-79-9	Fluorene-d10		52%				
1718-52-1	Pyrene-d10		52%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-7
Client ID: G01-MW05-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	8.4	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene		0.20	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	E	82	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene		2.5	1.0	0.20	0.20	0.076
120-12-7	Anthracene	E	4.2	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene		2.4	1.0	0.20	0.20	0.10
129-00-0	Pyrene		0.74	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	E	3.8	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		75%				
81103-79-9	Fluorene-d10		79%				
1718-52-1	Pyrene-d10		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/18/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-7DL2
Client ID: G01-MW05-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		11	40	0.20	7.6	1.9
91-57-6	2-Methylnaphthalene	U	7.6	40	0.20	7.6	3.0
208-96-8	Acenaphthylene	U	7.6	40	0.20	7.6	1.9
83-32-9	Acenaphthene		92	40	0.20	7.6	3.0
86-73-7	Fluorene	U	7.6	40	0.20	7.6	2.3
85-01-8	Phenanthrene	J	2.9	40	0.20	7.6	3.0
120-12-7	Anthracene	J	3.6	40	0.20	7.6	3.0
206-44-0	Fluoranthene	J	2.0	40	0.20	7.6	4.2
129-00-0	Pyrene	U	7.6	40	0.20	7.6	3.4
56-55-3	Benzo(a)anthracene	U	7.6	40	0.20	7.6	4.6
218-01-9	Chrysene	U	7.6	40	0.20	7.6	2.7
205-99-2	Benzo(b)fluoranthene	U	7.6	40	0.20	7.6	3.4
207-08-9	Benzo(k)fluoranthene	U	7.6	40	0.20	7.6	3.0
50-32-8	Benzo(a)pyrene	U	7.6	40	0.20	7.6	3.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	7.6	40	0.20	7.6	3.8
53-70-3	Dibenzo(a,h)anthracene	U	7.6	40	0.20	7.6	5.7
191-24-2	Benzo(g,h,i)perylene	U	7.6	40	0.20	7.6	3.0
90-12-0	1-Methylnaphthalene	U	7.6	40	0.20	7.6	3.0
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-4
Client ID: G01-MW-10-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	6.4	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene		0.77	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.25	1.0	0.20	0.20	0.077
86-73-7	Fluorene	J	0.070	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene		0.87	1.0	0.20	0.20	0.077
120-12-7	Anthracene	J	0.11	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	11	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		33%				
81103-79-9	Fluorene-d10		41%				
1718-52-1	Pyrene-d10		34%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/18/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-4DL2
Client ID: G01-MW-10-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		5.9	5.0	0.20	0.96	0.24
91-57-6	2-Methylnaphthalene	J	0.84	5.0	0.20	0.96	0.38
208-96-8	Acenaphthylene	U	0.96	5.0	0.20	0.96	0.24
83-32-9	Acenaphthene	J	0.44	5.0	0.20	0.96	0.38
86-73-7	Fluorene	U	0.96	5.0	0.20	0.96	0.29
85-01-8	Phenanthrene	J	0.87	5.0	0.20	0.96	0.38
120-12-7	Anthracene	U	0.96	5.0	0.20	0.96	0.38
206-44-0	Fluoranthene	U	0.96	5.0	0.20	0.96	0.53
129-00-0	Pyrene	U	0.96	5.0	0.20	0.96	0.43
56-55-3	Benzo(a)anthracene	U	0.96	5.0	0.20	0.96	0.58
218-01-9	Chrysene	U	0.96	5.0	0.20	0.96	0.34
205-99-2	Benzo(b)fluoranthene	U	0.96	5.0	0.20	0.96	0.43
207-08-9	Benzo(k)fluoranthene	U	0.96	5.0	0.20	0.96	0.38
50-32-8	Benzo(a)pyrene	U	0.96	5.0	0.20	0.96	0.43
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.96	5.0	0.20	0.96	0.48
53-70-3	Dibenzo(a,h)anthracene	U	0.96	5.0	0.20	0.96	0.72
191-24-2	Benzo(g,h,i)perylene	U	0.96	5.0	0.20	0.96	0.38
90-12-0	1-Methylnaphthalene		9.6	5.0	0.20	0.96	0.38
7297-45-2	2-Methylnaphthalene-d10		36%				
81103-79-9	Fluorene-d10		43%				
1718-52-1	Pyrene-d10		32%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-8
Client ID: G01-MW11-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	14	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	38	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		2.6	1.0	0.20	0.20	0.077
86-73-7	Fluorene		2.8	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	E	3.2	1.0	0.20	0.20	0.077
120-12-7	Anthracene		0.28	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	34	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		68%				
81103-79-9	Fluorene-d10		80%				
1718-52-1	Pyrene-d10		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/18/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-8DL2
Client ID: G01-MW11-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		16	20	0.20	3.8	0.96
91-57-6	2-Methylnaphthalene		43	20	0.20	3.8	1.5
208-96-8	Acenaphthylene	U	3.8	20	0.20	3.8	0.96
83-32-9	Acenaphthene	U	3.8	20	0.20	3.8	1.5
86-73-7	Fluorene	J	1.5	20	0.20	3.8	1.2
85-01-8	Phenanthrene	J	3.6	20	0.20	3.8	1.5
120-12-7	Anthracene	U	3.8	20	0.20	3.8	1.5
206-44-0	Fluoranthene	U	3.8	20	0.20	3.8	2.1
129-00-0	Pyrene	U	3.8	20	0.20	3.8	1.7
56-55-3	Benzo(a)anthracene	U	3.8	20	0.20	3.8	2.3
218-01-9	Chrysene	U	3.8	20	0.20	3.8	1.3
205-99-2	Benzo(b)fluoranthene	U	3.8	20	0.20	3.8	1.7
207-08-9	Benzo(k)fluoranthene	U	3.8	20	0.20	3.8	1.5
50-32-8	Benzo(a)pyrene	U	3.8	20	0.20	3.8	1.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.8	20	0.20	3.8	1.9
53-70-3	Dibenzo(a,h)anthracene	U	3.8	20	0.20	3.8	2.9
191-24-2	Benzo(g,h,i)perylene	U	3.8	20	0.20	3.8	1.5
90-12-0	1-Methylnaphthalene		40	20	0.20	3.8	1.5
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-5
Client ID: G01-MW-12-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	6.2	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	9.3	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		2.2	1.0	0.20	0.20	0.077
86-73-7	Fluorene		1.3	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene		2.0	1.0	0.20	0.20	0.077
120-12-7	Anthracene	J	0.16	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	19	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		51%				
81103-79-9	Fluorene-d10		51%				
1718-52-1	Pyrene-d10		55%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/24/04
Analysis Date: 06/17/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-5DL2
Client ID: G01-MW-12-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		5.0	10	0.20	1.9	0.48
91-57-6	2-Methylnaphthalene		6.9	10	0.20	1.9	0.77
208-96-8	Acenaphthylene	U	1.9	10	0.20	1.9	0.48
83-32-9	Acenaphthene	J	1.8	10	0.20	1.9	0.77
86-73-7	Fluorene	U	1.9	10	0.20	1.9	0.58
85-01-8	Phenanthrene		2.3	10	0.20	1.9	0.77
120-12-7	Anthracene	U	1.9	10	0.20	1.9	0.77
206-44-0	Fluoranthene	U	1.9	10	0.20	1.9	1.0
129-00-0	Pyrene	U	1.9	10	0.20	1.9	0.86
56-55-3	Benzo(a)anthracene	U	1.9	10	0.20	1.9	1.2
218-01-9	Chrysene	U	1.9	10	0.20	1.9	0.67
205-99-2	Benzo(b)fluoranthene	U	1.9	10	0.20	1.9	0.86
207-08-9	Benzo(k)fluoranthene	U	1.9	10	0.20	1.9	0.77
50-32-8	Benzo(a)pyrene	U	1.9	10	0.20	1.9	0.86
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.9	10	0.20	1.9	0.96
53-70-3	Dibenzo(a,h)anthracene	U	1.9	10	0.20	1.9	1.4
191-24-2	Benzo(g,h,i)perylene	U	1.9	10	0.20	1.9	0.77
90-12-0	1-Methylnaphthalene		16	10	0.20	1.9	0.77
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-4
Client ID: KW-DUP-01-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	180	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	67	1.0	0.20	0.20	0.076
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	J	0.079	1.0	0.20	0.20	0.076
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.076
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.076
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.076
90-12-0	1-Methylnaphthalene	E	35	1.0	0.20	0.20	0.076
7297-45-2	2-Methylnaphthalene-d10		85%				
81103-79-9	Fluorene-d10		108%				
1718-52-1	Pyrene-d10		119%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/18/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-4DL2
Client ID: KW-DUP-01-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		220	200	0.20	38	9.5
91-57-6	2-Methylnaphthalene		67	200	0.20	38	15
208-96-8	Acenaphthylene	U	38	200	0.20	38	9.5
83-32-9	Acenaphthene	U	38	200	0.20	38	15
86-73-7	Fluorene	U	38	200	0.20	38	11
85-01-8	Phenanthrene	U	38	200	0.20	38	15
120-12-7	Anthracene	U	38	200	0.20	38	15
206-44-0	Fluoranthene	U	38	200	0.20	38	21
129-00-0	Pyrene	U	38	200	0.20	38	17
56-55-3	Benzo(a)anthracene	U	38	200	0.20	38	23
218-01-9	Chrysene	U	38	200	0.20	38	13
205-99-2	Benzo(b)fluoranthene	U	38	200	0.20	38	17
207-08-9	Benzo(k)fluoranthene	U	38	200	0.20	38	15
50-32-8	Benzo(a)pyrene	U	38	200	0.20	38	17
193-39-5	Indeno(1,2,3-cd)pyrene	U	38	200	0.20	38	19
53-70-3	Dibenzo(a,h)anthracene	U	38	200	0.20	38	28
191-24-2	Benzo(g,h,i)perylene	U	38	200	0.20	38	15
90-12-0	1-Methylnaphthalene	J	32	200	0.20	38	15
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-5
Client ID: KW-DUP-03-0504
SDG: CTO301318-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7768
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		80%				
81103-79-9	Fluorene-d10		83%				
1718-52-1	Pyrene-d10		107%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-1RA
Client ID: RR-MW-06-0504
SDG: CTO301318-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7768
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.085
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.066
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.085
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.085
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.094
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		56%				
81103-79-9	Fluorene-d10		53%				
1718-52-1	Pyrene-d10		50%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-1
Client ID: FC-MW-05-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.047
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.047
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.075
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.057
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.075
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.075
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.085
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.11
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.066
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.085
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.085
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.094
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.075
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.075
7297-45-2	2-Methylnaphthalene-d10		78%				
81103-79-9	Fluorene-d10		48%				
1718-52-1	Pyrene-d10		136%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-2
Client ID: FC-MW-06-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.20	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene		0.34	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene		0.21	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		89%				
81103-79-9	Fluorene-d10		69%				
1718-52-1	Pyrene-d10		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/16/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-3
Client ID: FC-MW-22-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	E	160	1.0	0.20	0.20	0.048
91-57-6	2-Methylnaphthalene	E	57	1.0	0.20	0.20	0.077
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.077
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.058
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.077
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.077
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.10
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.086
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.086
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.077
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.086
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.096
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.14
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.077
90-12-0	1-Methylnaphthalene	E	33	1.0	0.20	0.20	0.077
7297-45-2	2-Methylnaphthalene-d10		79%				
81103-79-9	Fluorene-d10		84%				
1718-52-1	Pyrene-d10		112%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/18/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-3DL2
Client ID: FC-MW-22-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		190	100	0.20	19	4.8
91-57-6	2-Methylnaphthalene		50	100	0.20	19	7.7
208-96-8	Acenaphthylene	U	19	100	0.20	19	4.8
83-32-9	Acenaphthene	U	19	100	0.20	19	7.7
86-73-7	Fluorene	U	19	100	0.20	19	5.8
85-01-8	Phenanthrene	U	19	100	0.20	19	7.7
120-12-7	Anthracene	U	19	100	0.20	19	7.7
206-44-0	Fluoranthene	U	19	100	0.20	19	10
129-00-0	Pyrene	U	19	100	0.20	19	8.6
56-55-3	Benzo(a)anthracene	U	19	100	0.20	19	12
218-01-9	Chrysene	U	19	100	0.20	19	6.7
205-99-2	Benzo(b)fluoranthene	U	19	100	0.20	19	8.6
207-08-9	Benzo(k)fluoranthene	U	19	100	0.20	19	7.7
50-32-8	Benzo(a)pyrene	U	19	100	0.20	19	8.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	19	100	0.20	19	9.6
53-70-3	Dibenzo(a,h)anthracene	U	19	100	0.20	19	14
191-24-2	Benzo(g,h,i)perylene	U	19	100	0.20	19	7.7
90-12-0	1-Methylnaphthalene		28	100	0.20	19	7.7
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-2
Client ID: A824-MW-01-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		104%				
	O-Terphenyl		98%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-3
Client ID: A824-MW-02-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		95%				
	O-Terphenyl		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-4
Client ID: A824-MW-03-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		100%				
	O-Terphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-5
Client ID: G01-MW02-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	440	1.0	500	500	270
	n-Triacontane-D62		87%				
	O-Terphenyl		* 81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-3
Client ID: G01-MW-03-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		92%				
	O-Terphenyl		91%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/20/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-6
Client ID: G01-MW04-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		810	1.0	500	500	270
	n-Triacontane-D62		113%				
	O-Terphenyl		102%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/20/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-7
Client ID: G01-MW05-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		1000	1.0	500	500	270
	n-Triacontane-D62		86%				
	O-Terphenyl		* 78%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-4
Client ID: G01-MW-10-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		1900	1.0	500	500	270
	n-Triacontane-D62		111%				
	O-Terphenyl		101%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/24/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/20/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-8
Client ID: G01-MW11-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		2000	1.0	500	500	270
	n-Triacontane-D62		111%				
	O-Terphenyl		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/20/04
Received Date: 05/21/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1503-5
Client ID: G01-MW-12-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		2700	1.0	500	500	270
	n-Triacontane-D62		92%				
	O-Terphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-4
Client ID: KW-DUP-01-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		2200	1.0	500	500	270
	n-Triacontane-D62		94%				
	O-Terphenyl		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-5
Client ID: KW-DUP-03-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		96%				
	O-Terphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/21/04
Received Date: 05/22/04
Extraction Date: 05/25/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1519-1
Client ID: RR-MW-06-0504
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		99%				
	O-Terphenyl		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-1
Client ID: FC-MW-05-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		96%				
	O-Terphenyl		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-2
Client ID: FC-MW-06-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	270
	n-Triacontane-D62		90%				
	O-Terphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date: 05/22/04
Received Date: 05/25/04
Extraction Date: 05/26/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WU1529-3
Client ID: FC-MW-22-0504
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		1800	1.0	500	500	270
	n-Triacontane-D62		77%				
	O-Terphenyl		* 72%				

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APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG CTO301/318-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	G01-MW05-0504	WU1529-007	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
M	UG/L	A824-MW-01-0504	WU1519-002	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	RR-MW-06-0504	WU1519-001	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	KW-DUP-03-0504	WU1519-005	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	KW-DUP-01-0504	WU1529-004	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	G01-MW-12-0504	WU1503-005	NM	05/20/2004	06/11/2004	06/15/2004	22	4	26
M	UG/L	G01-MW-10-0504	WU1503-004	NM	05/20/2004	06/11/2004	06/15/2004	22	4	26
M	UG/L	G01-MW04-0504	WU1529-006	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
M	UG/L	G01-MW-03-0504	WU1503-003	NM	05/20/2004	06/11/2004	06/15/2004	22	4	26
M	UG/L	G01-MW02-0504	WU1529-005	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
M	UG/L	FC-MW-22-0504	WU1529-003	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	FC-MW-06-0504	WU1529-002	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	FC-MW-05-0504	WU1529-001	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	A824-MW-03-0504	WU1519-004	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	A824-MW-02-0504	WU1519-003	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	G01-MW11-0504	WU1529-008	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
NTA	MG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/21/2004	05/21/2004	1	0	1
NTA	MG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
NTA	MG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
NTA	MG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/21/2004	05/21/2004	1	0	1
NTA	MG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/21/2004	05/21/2004	1	0	1
NTA	MG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
NTA	MG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	RR-MW-06-0504	WU1519-1	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
SO4	MG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
SO4	MG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
SO4	MG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	06/03/2004	06/03/2004	14	0	14
SO4	MG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
SO4	MG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	06/03/2004	06/03/2004	14	0	14
SO4	MG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	RR-MW-06-0504	WU1519-1	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	06/07/2004	06/07/2004	18	0	18
SO4	MG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
OS	%	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	%	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	%	G01-MW-10-0504DL2	WU1503-4DL2	NM	05/20/2004	05/24/2004	06/18/2004	4	25	29
OS	%	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	%	G01-MW11-0504DL2	WU1529-8DL2	NM	05/24/2004	05/26/2004	06/18/2004	2	23	25
OS	%	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	%	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	%	G01-MW05-0504DL2	WU1529-7DL2	NM	05/24/2004	05/26/2004	06/18/2004	2	23	25
OS	%	RR-MW-06-0504RA	WU1519-1RA	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	KW-DUP-01-0504DL2	WU1529-4DL2	NM	05/22/2004	05/26/2004	06/18/2004	4	23	27

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	G01-MW-12-0504DL2	WU1503-5DL2	NM	05/20/2004	05/24/2004	06/17/2004	4	24	28
OS	%	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	G01-MW05-0504	WU1529-7	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	%	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	B01-MW-01-0504	WU1503-1	NM	05/20/2004	05/24/2004	06/15/2004	4	22	26
OS	%	B01-MW-03-0504	WU1503-2	NM	05/20/2004	05/24/2004	06/15/2004	4	22	26
OS	%	FC-MW-05-0504	WU1529-1	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	%	FC-MW-22-0504	WU1529-3	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	%	FC-MW-22-0504DL2	WU1529-3DL2	NM	05/22/2004	05/26/2004	06/18/2004	4	23	27
OS	%	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	%	G01-MW04-0504	WU1529-6	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	%	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	FC-MW-06-0504	WU1529-2	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	UG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	UG/L	G01-MW-10-0504DL2	WU1503-4DL2	NM	05/20/2004	05/24/2004	06/18/2004	4	25	29
OS	UG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	UG/L	G01-MW11-0504DL2	WU1529-8DL2	NM	05/24/2004	05/26/2004	06/18/2004	2	23	25
OS	UG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	G01-MW-12-0504DL2	WU1503-5DL2	NM	05/20/2004	05/24/2004	06/17/2004	4	24	28
OS	UG/L	RR-MW-06-0504RA	WU1519-1RA	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	UG/L	KW-DUP-01-0504DL2	WU1529-4DL2	NM	05/22/2004	05/26/2004	06/18/2004	4	23	27
OS	UG/L	G01-MW05-0504DL2	WU1529-7DL2	NM	05/24/2004	05/26/2004	06/18/2004	2	23	25
OS	UG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	UG/L	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	UG/L	B01-MW-03-0504	WU1503-2	NM	05/20/2004	05/24/2004	06/15/2004	4	22	26
OS	UG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	UG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	UG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	UG/L	B01-MW-01-0504	WU1503-1	NM	05/20/2004	05/24/2004	06/15/2004	4	22	26
OS	UG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	UG/L	FC-MW-05-0504	WU1529-1	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	UG/L	FC-MW-06-0504	WU1529-2	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	UG/L	FC-MW-22-0504	WU1529-3	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	UG/L	FC-MW-22-0504DL2	WU1529-3DL2	NM	05/22/2004	05/26/2004	06/18/2004	4	23	27
OS	UG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	UG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OV	%	FC-MW-05-0504	WU1529-1RE	NM	05/22/2004	06/03/2004	06/03/2004	12	0	12
OV	%	FC-MW-22-0504	WU1529-3	NM	05/22/2004	06/02/2004	06/02/2004	11	0	11
OV	%	G01-MW02-0504	WU1529-5RE	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
OV	%	FC-MW-22-0504	WU1529-3	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	%	FC-MW-06-0504	WU1529-2RE	NM	05/22/2004	06/03/2004	06/04/2004	12	1	13
OV	%	FC-MW-06-0504	WU1529-2	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	%	FC-MW-05-0504	WU1529-1	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	%	A824-MW-03-0504	WU1519-4	NM	05/21/2004	06/02/2004	06/02/2004	12	0	12
OV	%	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	%	A824-MW-02-0504	WU1519-3	NM	05/21/2004	06/02/2004	06/02/2004	12	0	12
OV	%	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	%	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	%	G01-MW02-0504	WU1529-5	NM	05/24/2004	06/02/2004	06/02/2004	9	0	9
OV	%	A824-MW-01-0504	WU1519-2RE	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
OV	%	KWTB-052104	WU1519-6	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	%	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/28/2004	05/28/2004	4	0	4
OV	%	RR-MW-06-0504	WU1519-1RE	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	KWTB-052404	WU1529-9	NM	05/22/2004	06/01/2004	06/01/2004	10	0	10
OV	%	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	06/02/2004	06/02/2004	12	0	12
OV	%	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	%	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	06/02/2004	06/02/2004	11	0	11
OV	%	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	%	G01-MW-12-0504	WU1503-5RE	NM	05/20/2004	06/03/2004	06/03/2004	14	0	14
OV	%	G01-MW-12-0504	WU1503-5	NM	05/20/2004	06/02/2004	06/02/2004	13	0	13
OV	%	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/24/2004	05/24/2004	4	0	4
OV	%	G01-MW04-0504	WU1529-6	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
OV	%	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/24/2004	05/24/2004	4	0	4
OV	%	RR-MW-06-0504	WU1519-1	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	%	G01-MW11-0504	WU1529-8	NM	05/24/2004	06/02/2004	06/03/2004	9	1	10
OV	%	G01-MW-03-0504	WU1503-3	NM	05/20/2004	06/02/2004	06/02/2004	13	0	13
OV	%	G01-MW04-0504	WU1529-6RE	NM	05/24/2004	06/03/2004	06/03/2004	10	0	10
OV	%	G01-MW05-0504	WU1529-7	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
OV	%	G01-MW05-0504	WU1529-7	NM	05/24/2004	06/02/2004	06/03/2004	9	1	10
OV	%	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/24/2004	05/24/2004	4	0	4
OV	%	G01-MW-10-0504	WU1503-4	NM	05/20/2004	06/02/2004	06/02/2004	13	0	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	G01-MW11-0504	WU1529-8	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
OV	UG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
OV	UG/L	KWTB-052404	WU1529-9	NM	05/22/2004	06/01/2004	06/01/2004	10	0	10
OV	UG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/24/2004	05/24/2004	4	0	4
OV	UG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/24/2004	05/24/2004	4	0	4
OV	UG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	06/02/2004	06/02/2004	13	0	13
OV	UG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
OV	UG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	06/02/2004	06/03/2004	9	1	10
OV	UG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	06/02/2004	06/03/2004	9	1	10
OV	UG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	06/02/2004	06/02/2004	13	0	13
OV	UG/L	G01-MW-12-0504	WU1503-5RE	NM	05/20/2004	06/03/2004	06/03/2004	14	0	14
OV	UG/L	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	06/02/2004	06/02/2004	11	0	11
OV	UG/L	KWTB-052104	WU1519-6	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	UG/L	RR-MW-06-0504	WU1519-1	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	UG/L	RR-MW-06-0504	WU1519-1RE	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
OV	UG/L	G01-MW04-0504	WU1529-6RE	NM	05/24/2004	06/03/2004	06/03/2004	10	0	10
OV	UG/L	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	UG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	06/02/2004	06/02/2004	12	0	12

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	06/02/2004	06/02/2004	12	0	12
OV	UG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
OV	UG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	UG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	UG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	UG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
OV	UG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	06/02/2004	06/02/2004	12	0	12
OV	UG/L	FC-MW-05-0504	WU1529-1	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	UG/L	FC-MW-05-0504	WU1529-1RE	NM	05/22/2004	06/03/2004	06/03/2004	12	0	12
OV	UG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	06/02/2004	06/02/2004	9	0	9
OV	UG/L	A824-MW-01-0504	WU1519-2RE	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
OV	UG/L	FC-MW-06-0504	WU1529-2	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	UG/L	G01-MW02-0504	WU1529-5RE	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
OV	UG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/28/2004	05/28/2004	4	0	4
OV	UG/L	FC-MW-22-0504	WU1529-3	NM	05/22/2004	06/02/2004	06/02/2004	11	0	11
OV	UG/L	FC-MW-22-0504	WU1529-3	NM	05/22/2004	05/28/2004	05/28/2004	6	0	6
OV	UG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	06/02/2004	06/02/2004	13	0	13
OV	UG/L	FC-MW-06-0504	WU1529-2RE	NM	05/22/2004	06/03/2004	06/04/2004	12	1	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/24/2004	05/24/2004	4	0	4
METH	UG/ML	RR-MW-06-0504	0405424B-04A	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
METH	UG/ML	A824-MW-03-0504	0405424B-07A	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
METH	UG/ML	G01-MW-10-0504	0405424A-02A	NM	05/20/2004	05/28/2004	05/28/2004	8	0	8
METH	UG/ML	KW-DUP-03-0504	0405424B-08A	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
METH	UG/ML	G01-MW-12-0504	0405424A-03A	NM	05/20/2004	05/28/2004	05/28/2004	8	0	8
METH	UG/ML	G01-MW11-0504	0405496-04A	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
METH	UG/ML	G01-MW05-0504	0405496-03A	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
METH	UG/ML	G01-MW04-0504	0405496-02A	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
METH	UG/ML	G01-MW02-0504	0405496-01A	NM	05/24/2004	06/01/2004	06/01/2004	8	0	8
METH	UG/ML	A824-MW-02-0504	0405424B-06A	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
METH	UG/ML	A824-MW-01-0504	0405424B-05A	NM	05/21/2004	05/28/2004	05/28/2004	7	0	7
METH	UG/ML	G01-MW-03-0504	0405424A-01A	NM	05/20/2004	05/28/2004	05/28/2004	8	0	8
TPH	%	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	06/20/2004	2	25	27
TPH	%	RR-MW-06-0504	WU1519-1	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	%	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	%	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	%	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	%	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	%	FC-MW-05-0504	WU1529-1	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	%	FC-MW-06-0504	WU1529-2	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	%	FC-MW-22-0504	WU1529-3	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	%	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/26/2004	06/19/2004	2	24	26
TPH	%	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/25/2004	06/19/2004	5	25	30
TPH	%	G01-MW04-0504	WU1529-6	NM	05/24/2004	05/26/2004	06/20/2004	2	25	27
TPH	%	G01-MW05-0504	WU1529-7	NM	05/24/2004	05/26/2004	06/20/2004	2	25	27
TPH	%	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/25/2004	06/19/2004	5	25	30
TPH	%	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/25/2004	06/19/2004	5	25	30
TPH	%	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	UG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	UG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	05/26/2004	06/20/2004	2	25	27
TPH	UG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	UG/L	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	UG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/25/2004	06/19/2004	5	25	30
TPH	UG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	06/20/2004	2	25	27
TPH	UG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/25/2004	06/19/2004	5	25	30

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	UG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	05/26/2004	06/20/2004	2	25	27
TPH	UG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/25/2004	06/19/2004	5	25	30
TPH	UG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/26/2004	06/19/2004	2	24	26
TPH	UG/L	FC-MW-22-0504	WU1529-3	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	UG/L	FC-MW-06-0504	WU1529-2	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	UG/L	FC-MW-05-0504	WU1529-1	NM	05/22/2004	05/26/2004	06/19/2004	4	24	28
TPH	UG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	UG/L	RR-MW-06-0504	WU1519-1	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29
TPH	UG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/25/2004	06/19/2004	4	25	29

FIELD DUPLICATE PRECISION

ANALYTE	KW-DUP-01-0504	QUAL	FC-MW-22-0504	QUAL	RPD	DIFFERENCE
Toluene	0.7	J	0.6	J	15.38	0.1
Ethylbenzene	39		39		0.00	0
Total Xylenes	6		6		0.00	0
Naphthalene	220		190		14.63	30
2-Methylnaphthalene	67		50		29.06	17
1-Methylnaphthalene	32		28		13.33	4
Acenaphthene	0.2	U	0.079	J	86.74	0.121
TPH	2200		1800		20.00	400
ANALYTE	KW-DUP-03-0504	QUAL	A824-MW-01-0504	QUAL	RPD	DIFFERENCE
Methane	0.21		0.21		0.00	0

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO301/318-1
WU1503, WU1519, WU1529
TASK ORDER MANAGER: EMILY MCREE

Sample Receipt

The following samples were received on May 21, 22 and 25, 2004 and were logged in under Katahdin Analytical Services work order numbers WU1503, WU1519 and WU1529 for a hardcopy due date of June 18, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU1503-1	B01-MW-01-0504
WU1503-2	B01-MW-03-0504
WU1503-3	G01-MW-03-0504
WU1503-4	G01-MW-10-0504
WU1503-5	G01-MW-12-0504
WU1519-1	RR-MW-06-0504
WU1519-2	A824-MW-01-0504
WU1519-3	A824-MW-02-0504
WU1519-4	A824-MW-03-0504
WU1519-5	KW-DUP-03-0504
WU1519-6	KWTB-052104
WU1529-1	FC-MW-05-0504
WU1529-2	FC-MW-06-0504
WU1529-3	FC-MW-22-0504
WU1529-4	KW-DUP-01-0504
WU1529-5	G01-MW02-0504
WU1529-6	G01-MW04-0504
WU1529-7	G01-MW05-0504
WU1529-8	G01-MW11-0504
WU1529-9	KWTB-052404

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Organics Laboratory

The samples of SDG CTO301/318-1 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response, U.S. EPA, and/or Method for Determination of Petroleum Range Organics (Method #FL-PRO), Florida Department of Environmental Protection, November 1, 1995, for the specific methods listed below or on the Report of Analysis. Sample WU1519-1 was used for a matrix spike (MS) and matrix spike duplicate (MSD) sample per client's request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation report.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The acceptance limits for the MS/MSD are for a short list of the spiked compounds. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory contaminants acetone and methylene chloride) in the LCS are outside of the QC limits.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "B" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

504 Analysis

Samples WU1503-5 and WU1529-5 had low recoveries for the surrogate TCX on both channels that were outside of the laboratory established acceptance limits. Samples WU1503-5 and WU1529-5 were reextracted with similar results. Sample WU1529-5RE was reextracted 9 days out of hold time. The results from both analyses are reported.

Samples WU1503-4 and WU1519-3 and 5 had low recoveries for the surrogate TCX on one channel. These recoveries were outside of the laboratory established acceptance limits. Since the recoveries on the confirmation channel were within the acceptance limits, the samples were not reanalyzed.

8100M-FLPRO Analysis

The laboratory control sample duplicate (LCSD) WG7803-3 and samples WU1529-3, 5 and 7 had low recoveries for the surrogate o-terphenyl, which were outside of the method acceptance limits. Since the recoveries for the second surrogate n-triacontane-D_{62} were within the method acceptance limits, the samples were not reanalyzed.

The calibration verification standards (CV) (files CUF2117, CUF2130 and CUF2136) had low responses for the hydrocarbon C-40, which resulted in %D's that were greater than 20%. Since the method requirement applies to only the PRO range responses, which were acceptable, the associated samples were not reanalyzed.

8270 SIM Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are nominal limits for the full list of spiked compounds. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory phthalate ester contaminants) in the LCS are outside of the QC limits.

The laboratory method blank WG7760-1RA had a high recovery for one surrogate which was outside the laboratory established acceptance limits. Since a high recovery indicates a high bias and there were no target analytes detected, the sample was not reanalyzed.

The laboratory method blank WG7805-1RA had a low recovery for one surrogate which was outside the laboratory established acceptance limits.

Sample WU1503-3 had a low recovery for one surrogate which was outside the laboratory established acceptance limits.

Samples WU1529-3DL2, 4DL2 and 8DL2 had responses for one or more internal standards which were low and outside the method acceptance limit of -50% to 100% of the response of the internal standard of the daily continuing calibration standard. Since the analyses of the undiluted samples had acceptable internal standard responses, the samples were not reanalyzed.

The initial calibration analyzed on the X instrument on 05/27/04 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, a linear model was used for quantitation instead of an average response factor. The target analytes acenaphthylene, chrysene, indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene failed the linear model in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. These compounds were calibrated using the average model.

The initial calibration analyzed on the X instrument on 06/15/04 had %RSD values for four analytes that exceeded the method acceptance limit of 15%. The target analytes benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene also failed the linear model in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. These compounds were calibrated using the average model.

The laboratory control sample duplicate (WG7760-3RA) had several analytes with recoveries that were high and outside of the nominal laboratory acceptance limits. Since the associated LCS (WG7760-2RA) was acceptable, the LCSD was not reanalyzed.

The MS and MSD (WG7768-3RA and 4RA) had had several analytes with recoveries that were low and outside of the nominal laboratory acceptance limits. Since the associated LCS (WG7768-2) was acceptable, the MS/MSD were not reanalyzed.

There were no other protocol deviations or observations noted by the organic laboratory staff.

Metals Analysis

The samples of Katahdin SDG CTO301/318-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. WU1503-(3-5), WU1519-(1-5), and WU1529-(1-8) were digested for ICP analysis on 06/11/04 (QC Batch UF11ICW1) in accordance with USEPA Method 3010A. Katahdin Sample No. WU1519-1 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG CTO301/318-1 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question with the following exception:

Matrix QC Summary

One or both of the matrix-spiked aliquots of Katahdin Sample No. WU1519-1 was within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for lead.

The matrix spike duplicate analysis of Katahdin Sample No. WU1519-1 was within the laboratory's acceptance limit (<20% relative difference between duplicate matrix spiked aliquots) for lead.

The serial dilution analyses of Katahdin Sample No. WU1519-1 was within the laboratory's ICP serial dilution acceptance limit (<10% difference between the original sample result and the result for a 5-fold dilution of the sample, if the result for the dilution is at least ten times the instrument detection limit) for lead.

Wet Chemistry Analysis

The samples of SDG CTO301/318-1 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for nitrate and sulfate were performed according "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979 Revised 1983, U.S. EPA.

All Wet Chemistry results were evaluated to Katahdin Analytical Services' Method Detection Limits (MDL). Measured concentrations that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U PQL", where "PQL" is the numerical value of the Practical Quantitation Limit.

All analyses were performed within analytical hold time. All quality control criteria were met with the following exceptions:

For Katahdin Sample Numbers WU1503-5 and WU1519-1, the matrix spike recovery (0%) for sulfate is outside the laboratory's acceptance criteria. In each of these cases, the sample concentration is more than ten times the amount of spike added.

No other deviations were noted by the Wet Chemistry group.

Subcontracted Analysis

Analyses for Methane/Ethane/Ethene were performed by a subcontract laboratory. Please refer to the section of the data package titled Subcontracted Data.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Deborah J. Nadeau 6.25.04

Deborah Nadeau
Operations Manager

WW1503

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 3833 | PAGE 1 OF 1

PROJECT NO:	FACILITY: NAS KEY WEST	PROJECT MANAGER: EMILY McREE	PHONE NUMBER: (803)649-7963	LABORATORY NAME AND CONTACT: KATHADIN - ANDREA COLBY
SAMPLERS (SIGNATURE): Gary Braganza		FIELD OPERATIONS LEADER: GARY BRAGANZA	PHONE NUMBER: (561) 302-4137	ADDRESS: 340 COUNTY ROAD NO.5
		CARRIER/WAYBILL NUMBER: FED EX / 8425 8908 8781		CITY, STATE: WESTBROOK, ME

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G)
PRESERVATIVE USED

DATE YEAR 2004	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PAHs	PPL VOHs, BTEX, MTBE	TRPH	EDB	NITRATE + SULFATE	METHANE	LEAD	COMMENTS
5/20	9:20	B01-MW-01-0504	MW-01			GW	G	2	X							
	9:30	B01-MW-03-0504	MW-03	~~9:30~~				2	X							
	13:45	G01-MW-03-0504	G01-MW03					13	X	X	X	X	X	X	X	
	15:25	G01-MW-10-0504	G01-MW10					13	X	X	X	X	X	X	X	
	14:40	G01-MW-12-0504	G01-MW12					13	X	X	X	X	X	X	X	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Gary Braganza	5/20/04	17:30	1. RECEIVED BY: Gary Bauell	5/20/04	0905
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

000016

WWISIY

TETRA TECH NUS, INC. | **CHAIN OF CUSTODY** | **NUMBER** 3834 | **PAGE** 1 **OF** 1

PROJECT NO: N4779	**FACILITY:** NAS KEY WEST	**PROJECT MANAGER** EMILY McREE	**PHONE NUMBER** (803) 649-7963	**LABORATORY NAME AND CONTACT:** KATHADIN - ANDREA COLBY
SAMPLERS (SIGNATURE) Gary Braganza		**FIELD OPERATIONS LEADER** GARY BRAGANZA	**PHONE NUMBER** (561) 302-4137	**ADDRESS** 340 COUNTY ROAD No. 5
		CARRIER/WAYBILL NUMBER FED EX / 8425 8908 8792		**CITY, STATE** WESTBROOK, ME

STANDARD TAT ☑
RUSH TAT ☐ ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G)
PRESERVATIVE USED

DATE YEAR 2004	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	PPL VOHS, BTEX, MTBE	PAH'S	TRPH	EDB	LEAD	NITRATE + SULFATE	METHANE	COMMENTS
5/21	10:35	RR-MW-06-0504	RR-MW-06			GW	G	39	X	X	X	X	X	X	X	MS/MSD
	10:50	A824-MW-01-0504	A824-MW-01					13	X	X	X	X	X	X	X	
	13:20	A824-MW-02-0504	A824-MW-02					13	X	X	X	X	X	X	X	
	13:05	A824-MW-03-0504	A824-MW-03					13	X	X	X	X	X	X	X	
		KW-DUP-03-0504						13	X	X	X	X	X	X	X	
		KWTB-052104						2								TRIP BLANK

1. RELINQUISHED BY Gary Braganza	DATE 5/21/04	TIME	1. RECEIVED BY Fed Ex	DATE	TIME
2. RELINQUISHED BY Fed Ex	DATE	TIME	2. RECEIVED BY G. Brewer	DATE 05 22 04	TIME 10:20
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

000017

WW1529

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 3706 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
N4779	NAS KEY WEST	EMILY McKEE	(803) 649-7963	KATHADIN - ANDREA COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Gary Braganza		GARY BRAGANZA	(561) 302-4137	340 COUNTY ROAD No. 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FEDEX / 8425 8908 8807		WESTBROOK, ME

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G G G P P G

PRESERVATIVE USED

TYPE OF ANALYSIS

DATE YEAR 2004	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PPL VOH's + BTEX + MTBE	PAHs	TRPH	EDB	LEAD	NITRATE + SULFATE	METHANE	COMMENTS
5/22	10:15	FC-MW-05-0504	FC-MW-05			GW	G	10	X	X	X	X	X			
↓	12:15	FC-MW-06-0504	FC-MW-06			↓	↓	10	X	X	X	X	X			
	10:30	FC-MW-22-0504	FCMW-22					10	X	X	X	X	X			
↓		KW-DUP-01-0504						10	X	X	X	X	X			
5/24	14:00	G01-MW02-0504	G01-MW-02					13	X	X	X	X	X	X	X	
↓	09:40	G01-MW04-0504	G01-MW-04					13	X	X	X	X	X	X	X	
	13:35	G01-MW05-0504	G01-MW-05					13	X	X	X	X	X	X	X	
↓	9:15	G01-MW11-0504	G01-MW-11			↓	↓	13	X	X	X	X	X	X	X	
		KWTB-052404						2								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Gary Braganza	5/24/04		1. RECEIVED BY [signature]	5/25/04	0910
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

000018

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WU1503

PAGE: 1 OF 2

COOLER: 1 OF 2

CLIENT: Tetra tech

COC#
SDG#
DATE / TIME RECEIVED: 5/21/09 0915
DELIVERED BY: Fedex
RECEIVED BY: Amm
LIMS ENTRY BY: KJC
LIMS REVIEW BY / PM: KC

PROJECT:

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	☑	☐	☐		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	☑	☐	☐		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	☑	☐	☐		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	☑	☐	☐		
5. TEMPERATURE BLANKS PRESENT?	☑	☐	☐	TEMP BLANK TEMP (°C)= 7.7	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	☐	☑	☐	COOLER TEMP (°C)= 5.3 7.5 AVG NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	☑	☐	☐		
8. TRIP BLANK PRESENT IN THIS COOLER	☑	☐	☐		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	☑	☐	☐		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	☑	☐	☐		
11. SAMPLES PROPERLY PRESERVED(1)?	☑	☐	☐		
12. CORRECTIVE ACTION REPORT FILED?	☐	☑	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1): Affects Samples
MW01 MW12
MW03
MW10
~~MW06~~ ~~824-MW03~~
~~824-MW01~~ ~~824-MW03~~
~~824-MW~~
7-16-09
JAJ

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

ZOOOOO4

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # W41503

PAGE: 2 OF 2

COOLER: 2 OF 2

CLIENT: Tetra tech

PROJECT:

COC#
SDG#
DATE / TIME RECEIVED: 5/21/04 0915
DELIVERED BY: fedex
RECEIVED BY: AM
LIMS ENTRY BY: KC
LIMS REVIEW BY / PM: KC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	☑	☐	☐		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	☑	☐	☐		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	☑	☐	☐		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	☑	☐	☐		
5. TEMPERATURE BLANKS PRESENT?	☑	☐	☐	TEMP BLANK TEMP (°C)= 12.5	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE/ ICE PACKS PRESENT (Y or N)?	☑	☐	☐	COOLER TEMP (°C)= 4.1 NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	☐	☐	☑		
8. TRIP BLANK PRESENT IN THIS COOLER	☐	☑	☐		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	☑	☐	☐		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	☑	☐	☐		
11. SAMPLES PROPERLY PRESERVED(1)?	☑	☐	☐		
12. CORRECTIVE ACTION REPORT FILED?	☐	☑	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES(1):

(1) Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT

Tel. (207) 874-2400
Fax (207) 775-4029

Cooler #1

LAB (WORK ORDER) # L4U151A

PAGE: 1 OF 3

COOLER: 1 OF 3

COC#

SDG#

DATE / TIME RECEIVED: 05/22/04 11:20

DELIVERED BY: Fed Ex (pick up)

RECEIVED BY: George Brewer

LIMS ENTRY BY: [illegible]

LIMS REVIEW BY / PM: [illegible]

CLIENT: Tetra Tech

PROJECT:

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	☒	☐	☐		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	☒	☐	☐		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	☒	☐	☐		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	☒	☐	☐		
5. TEMPERATURE BLANKS PRESENT?	☒	☐	☐	TEMP BLANK TEMP (°C)= 1.8°	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT (Y) or N?	☐	☒	☐	COOLER TEMP (°C)= ~~1.8~~ ~~[illegible]~~ 0522L04 NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	☐	☐	☑		
8. TRIP BLANK PRESENT IN THIS COOLER	☐	☑	☐		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	☑	☐	☐		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	☑	☐	☐		
11. SAMPLES PROPERLY PRESERVED[1]?	☑	☐	☐		
12. CORRECTIVE ACTION REPORT FILED?	☐	☑	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP (NFESC) ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES[1]: Received 1 of 2 bottles for PAH of sample RR-MW-06 broken

[1] Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7858-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: S1408 Lab Sample ID: WG7858-2

Date Analyzed: 05/28/04 Time Analyzed: 1037

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-S

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7858-LCS	WG7858-1	S1406	05/28/04	0919
02	KWTB-052104	WU1519-6	S1410	05/28/04	1153
03	RR-MW-06-0504	WU1519-1	S1411	05/28/04	1228
04	A824-MW-01-0504	WU1519-2	S1412	05/28/04	1303
05	A824-MW-02-0504	WU1519-3	S1413	05/28/04	1338
06	A824-MW-03-0504	WU1519-4	S1414	05/28/04	1413
07	KW-DUP-03-0504	WU1519-5	S1415	05/28/04	1448
08	RR-MW-06-0504MS	WG7858-3	S1421	05/28/04	1819
09	RR-MW-06-0504MSD	WG7858-4	S1422	05/28/04	1854
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7754-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: Z1632 Lab Sample ID: WG7754-2

Date Analyzed: 05/24/04 Time Analyzed: 1058

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-Z

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7754-LCS	WG7754-1	Z1630	05/24/04	0939
02	G01-MW-03-0504	WU1503-3	Z1641	05/24/04	1632
03	G01-MW-10-0504	WU1503-4	Z1642	05/24/04	1710
04	G01-MW-12-0504	WU1503-5	Z1643	05/24/04	1747
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7857-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: Z1709 Lab Sample ID: WG7857-2

Date Analyzed: 05/28/04 Time Analyzed: 0931

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-Z

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7857-LCS	WG7857-1	Z1707	05/28/04	0815
02	FC-MW-05-0504	WU1529-1	Z1718	05/28/04	1510
03	FC-MW-06-0504	WU1529-2	Z1719	05/28/04	1548
04	FC-MW-22-0504	WU1529-3	Z1720	05/28/04	1625
05	KW-DUP-01-0504	WU1529-4	Z1721	05/28/04	1703
06	G01-MW02-0504	WU1529-5	Z1722	05/28/04	1739
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7892-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: Z1730 Lab Sample ID: WG7892-2

Date Analyzed: 06/01/04 Time Analyzed: 1024

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-Z

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7892-LCS	WG7892-1	Z1728	06/01/04	0909
02	KWTB-052404	WU1529-9	Z1731	06/01/04	1104
03	G01-MW04-0504	WU1529-6	Z1734	06/01/04	1255
04	G01-MW05-0504	WU1529-7	Z1735	06/01/04	1410
05	G01-MW11-0504	WU1529-8	Z1736	06/01/04	1446
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COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7858-2
Client ID: WG7858-Blank
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7858
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	1	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.6
75-00-3	Chloroethane	U	1	1.0	1	1	0.9
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	J	1	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		97%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/24/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7754-2
Client ID: WG7754-Blank
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7754
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	1	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.6
75-00-3	Chloroethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		109%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 05/28/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7857-2
Client ID: WG7857-Blank
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7857
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	1	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.6
75-00-3	Chloroethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	J	1	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 06/01/04
Report Date: 06/10/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7892-2
Client ID: WG7892-Blank
SDG: CTO301318-1
Extracted by:
Extraction Method: SW846 5030
Analyst: AZ
Analysis Method: SW846 8260B
Lab Prep Batch: WG7892
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-87-3	Chloromethane	U	1	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.2
74-83-9	Bromomethane	U	1	1.0	1	1	0.6
75-00-3	Chloroethane	U	1	1.0	1	1	0.2
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.1
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
67-66-3	Chloroform	U	1	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
71-43-2	Benzene	U	1	1.0	1	1	0.09
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.2
79-01-6	Trichloroethene	U	1	1.0	1	1	0.08
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.1
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.09
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.1
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.2
108-88-3	Toluene	U	1	1.0	1	1	0.2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.1
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.08
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.5
75-25-2	Bromoform	U	1	1.0	1	1	0.1
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
	m+p-Xylenes	U	2	1.0	2	2	0.3
95-47-6	o-Xylene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		94%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES, Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG7754-LCS	WG7754-1	100	92	98	92	0
02	WG7754-BLANK	WG7754-2	109	102	101	94	0
03	G01-MW-03-0504	WU1503-3	110	103	102	89	0
04	G01-MW-10-0504	WU1503-4	107	103	104	90	0
05	G01-MW-12-0504	WU1503-5	109	103	105	98	0
06	WG7857-LCS	WG7857-1	98	93	100	98	0
07	WG7858-LCS	WG7858-1	102	107	100	99	0
08	WG7857-BLANK	WG7857-2	104	97	103	96	0
09	WG7858-BLANK	WG7858-2	104	113	96	97	0
10	KWTB-052104	WU1519-6	98	105	97	99	0
11	RR-MW-06-0504	WU1519-1	96	108	95	98	0
12	A824-MW-01-0504	WU1519-2	94	106	97	97	0
13	A824-MW-02-0504	WU1519-3	105	116	96	98	0
14	A824-MW-03-0504	WU1519-4	104	118	96	99	0
15	KW-DUP-03-0504	WU1519-5	104	116	97	101	0
16	FC-MW-05-0504	WU1529-1	104	103	103	96	0
17	FC-MW-06-0504	WU1529-2	104	105	104	98	0
18	FC-MW-22-0504	WU1529-3	99	106	108	102	0
19	KW-DUP-01-0504	WU1529-4	100	101	106	98	0
20	G01-MW02-0504	WU1529-5	101	98	100	93	0
21	RR-MW-06-0504MS	WG7858-3	103	108	96	102	0
22	RR-MW-06-0504MSD	WG7858-4	98	106	97	102	0
23	WG7892-LCS	WG7892-1	99	95	101	96	0
24	WG7892-BLANK	WG7892-2	102	99	101	94	0
25	KWTB-052404	WU1529-9	102	101	104	99	0
26	G01-MW04-0504	WU1529-6	104	105	104	98	0
27	G01-MW05-0504	WU1529-7	105	105	104	97	0
28	G01-MW11-0504	WU1529-8	106	104	104	99	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-118)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(76-119)
SMC3 (TOL)	= Toluene-D8	(68-122)
SMC4 (BFB)	= P-Bromofluorobenzene	(56-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: SB676 BFB Injection Date: 05/11/04

Instrument ID: GCMS-S BFB Injection Time: 1005

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.0
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.3
175	5.0 - 9.0% of mass 174	5.7 (8.6)1
176	95.0 - 101.0% of mass 174	64.4 (97.2)1
177	5.0 - 9.0% of mass 176	4.5 (7.0)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S11A	S1134	05/11/04	1031
02		VSTD020S11A	S1135	05/11/04	1120
03		VSTD005S11A	S1136	05/11/04	1155
04		VSTD001S11A	S1137	05/11/04	1230
05		VSTD200S11A	S1138	05/11/04	1305
06		VSTD100S11A	S1139	05/11/04	1340
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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18					
19					
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21					
22					

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-S Calibration Date(s): 05/11/04 05/11/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1031 1340

LAB FILE ID: RF1: S1137 RF5: S1136 RF20: S1135
RF50: S1134 RF100: S1139 RF200: S1138

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Chloromethane	0.319	0.304	0.276	0.306	0.330	0.363	AVRG		0.31660626	9.218	15.000
Vinyl chloride	0.272	0.360	0.342	0.370	0.353	0.363	AVRG		0.34347716	10.527	15.000
Bromomethane	1471	8681	50007	178830	333980	662290	LINR	3.094e-002	4.43222728	0.99894	0.99000
Chloroethane	0.150	0.226	0.222	0.234	0.227	0.227	AVRG		0.21425936	14.712	15.000
1,1-Dichloroethene	2411	27824	98830	278820	566930	1078200	LINR	7.568e-003	2.72728969	0.99984	0.99000
Methylene Chloride	39519	65098	157370	351980	690220	1297600	LINR	-7.12e-002	2.31236392	0.99946	0.99000
trans-1,2-Dichloroethene	0.379	0.439	0.403	0.411	0.421	0.427	AVRG		0.41337103	5.072	15.000
Methyl tert-butyl ether	0.880	1.009	1.033	0.994	1.001	1.094	AVRG		1.00206838	6.967	15.000
1,1-Dichloroethane	0.610	0.662	0.654	0.681	0.696	0.674	AVRG		0.66306531	4.453	15.000
cis-1,2-Dichloroethene	0.409	0.449	0.442	0.460	0.477	0.471	AVRG		0.45159431	5.441	15.000
Chloroform	4758	58157	225000	607430	1227800	2335400	LINR	3.962e-003	1.26004467	0.99991	0.99000
Carbon Tetrachloride	0.285	0.352	0.342	0.378	0.375	0.361	AVRG		0.34877493	9.804	15.000
1,1,1-Trichloroethane	0.551	0.631	0.618	0.670	0.661	0.674	AVRG		0.63407105	7.316	15.000
Benzene	1.039	1.145	1.077	1.092	1.107	1.058	AVRG		1.08640571	3.442	15.000
1,2-Dichloroethane	0.419	0.415	0.418	0.418	0.408	0.424	AVRG		0.41719749	1.232	15.000
Trichloroethene	0.272	0.319	0.300	0.312	0.313	0.303	AVRG		0.30335346	5.497	15.000
1,2-Dichloropropane	0.263	0.247	0.248	0.250	0.256	0.247	AVRG		0.25173746	2.494	15.000
Bromodichloromethane	0.366	0.410	0.420	0.431	0.424	0.418	AVRG		0.41160719	5.653	15.000
cis-1,3-dichloropropene	0.430	0.444	0.474	0.475	0.472	0.464	AVRG		0.45975114	4.017	15.000
2-Chloroethylvinylether	1765	11350	49941	129430	266220	567680	LINR	4.482e-002	7.37766139	0.99801	0.99000
Toluene	0.675	0.768	0.706	0.719	0.713	0.690	AVRG		0.71183667	4.475	15.000
Tetrachloroethene	0.330	0.306	0.299	0.308	0.308	0.298	AVRG		0.30816056	3.769	15.000
trans-1,3-Dichloropropene	0.318	0.365	0.399	0.407	0.401	0.407	AVRG		0.38285163	9.268	15.000
1,1,2-Trichloroethane	0.196	0.208	0.211	0.196	0.201	0.205	AVRG		0.20270783	3.115	15.000
Dibromochloromethane	0.268	0.327	0.347	0.351	0.358	0.380	AVRG		0.33861160	11.348	15.000
Chlorobenzene	0.930	0.935	0.918	0.928	0.906	0.888	AVRG		0.91739603	1.904	15.000
Ethylbenzene	1.494	1.633	1.554	1.588	1.585	1.511	AVRG		1.56085522	3.332	15.000
Xylenes (total)	1.641	1.793	1.734	1.730	1.706	1.638	AVRG		1.70704942	3.478	15.000
m+p-Xylenes	0.556	0.602	0.580	0.580	0.574	0.545	AVRG		0.57304926	3.552	15.000
o-Xylene	0.529	0.587	0.573	0.569	0.558	0.548	AVRG		0.56095089	3.625	15.000
Bromoform	0.193	0.218	0.240	0.231	0.238	0.263	AVRG		0.23065882	10.237	15.000
1,1,2,2-Tetrachloroethane	0.575	0.611	0.644	0.581	0.597	0.652	AVRG		0.61005466	5.266	15.000
Dibromofluoromethane	0.447	0.427	0.420	0.432	0.442	0.446	AVRG		0.43579493	2.530	15.000
1,2-Dichloroethane-D4	0.540	0.495	0.478	0.508	0.515	0.534	AVRG		0.51153891	4.595	15.000
Toluene-D8	1.172	1.078	1.044	1.026	1.032	0.993	AVRG		1.05766351	5.895	15.000
P-Bromofluorobenzene	0.490	0.455	0.429	0.405	0.406	0.399	AVRG		0.43065567	8.364	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-S Calibration Date(s): 05/11/04 05/11/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1031 1340

Average %RSD test result.

Calculate Average %RSD: 11.31039810
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: ZB809 BFB Injection Date: 05/11/04

Instrument ID: GCMS-Z BFB Injection Time: 0903

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 60.0% of mass 95	46.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	58.2
175	5.0 - 9.0% of mass 174	4.1 (7.0)1
176	95.0 - 101.0% of mass 174	55.9 (96.0)1
177	5.0 - 9.0% of mass 176	4.2 (7.6)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050Z11A	Z1451	05/11/04	0927
02		VSTD020Z11A	Z1452	05/11/04	1018
03		VSTD005Z11A	Z1453	05/11/04	1055
04		VSTD200Z11A	Z1456	05/11/04	1247
05		VSTD100Z11A	Z1457	05/11/04	1324
06		VSTD001Z11F	Z1461	05/11/04	1647
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date(s): 05/11/04 05/11/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0927 1647

LAB FILE ID: RF1: Z1461 RF5: Z1453 RF20: Z1452
RF50: Z1451 RF100: Z1457 RF200: Z1456

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Chloromethane	0.745	0.807	0.803	0.781	0.834	0.701	AVRG		0.77870977	6.186	15.000
Vinyl chloride	0.667	0.739	0.764	0.737	0.761	0.645	AVRG		0.71871448	7.000	15.000
Bromomethane	0.707	0.625	0.610	0.587	0.664	0.534	AVRG		0.62112284	9.714	15.000
Chloroethane	0.439	0.513	0.509	0.517	0.538	0.441	AVRG		0.49272426	8.552	15.000
1,1-Dichloroethene	0.482	0.507	0.603	0.550	0.617	0.529	AVRG		0.54788523	9.762	15.000
Methylene Chloride	13382	19760	59781	124540	252840	447260	LINR	-9.14e-002	1.44042200	0.99501	0.99000
trans-1,2-Dichloroethene	0.625	0.632	0.679	0.622	0.705	0.606	AVRG		0.64482227	5.928	15.000
Methyl tert-butyl ether	1.540	1.658	1.527	1.537	1.815	1.655	AVRG		1.62203940	6.900	15.000
1,1-Dichloroethane	1.041	1.175	1.121	1.107	1.234	1.144	AVRG		1.13709444	5.739	15.000
cis-1,2-Dichloroethene	0.530	0.565	0.597	0.564	0.604	0.576	AVRG		0.57273041	4.660	15.000
Chloroform	0.824	0.902	0.884	0.856	0.928	0.906	AVRG		0.88341283	4.272	15.000
Carbon Tetrachloride	0.273	0.258	0.300	0.306	0.303	0.305	AVRG		0.29065728	6.953	15.000
1,1,1-Trichloroethane	0.645	0.646	0.657	0.647	0.704	0.695	AVRG		0.66586224	3.992	15.000
Benzene	1.200	1.261	1.321	1.236	1.302	1.304	AVRG		1.27067823	3.687	15.000
1,2-Dichloroethane	0.376	0.424	0.393	0.397	0.413	0.436	AVRG		0.40664111	5.456	15.000
Trichloroethene	0.321	0.299	0.320	0.314	0.327	0.341	AVRG		0.32033480	4.383	15.000
1,2-Dichloropropane	0.363	0.358	0.350	0.359	0.376	0.373	AVRG		0.36314975	2.647	15.000
Bromodichloromethane	0.387	0.393	0.415	0.425	0.426	0.442	AVRG		0.41457386	5.078	15.000
cis-1,3-dichloropropene	0.394	0.478	0.523	0.537	0.556	0.574	AVRG		0.51039502	12.830	15.000
2-Chloroethylvinylether	794	5716	24250	64527	137640	298400	LINR	5.457e-002	3.64856107	0.99788	0.99000
Toluene	0.706	0.754	0.796	0.775	0.810	0.834	AVRG		0.77920593	5.783	15.000
Tetrachloroethene	0.271	0.231	0.251	0.258	0.259	0.265	AVRG		0.25593462	5.485	15.000
trans-1,3-Dichloropropene	1535	10376	46539	120450	252030	548280	LINR	5.014e-002	1.98834108	0.99796	0.99000
1,1,2-Trichloroethane	0.245	0.263	0.261	0.273	0.286	0.317	AVRG		0.27434475	9.142	15.000
Dibromochloromethane	0.252	0.338	0.338	0.372	0.378	0.374	AVRG		0.34199873	13.982	15.000
Chlorobenzene	0.977	0.936	0.966	0.953	0.989	1.025	AVRG		0.97440423	3.179	15.000
Ethylbenzene	1.737	1.571	1.650	1.684	1.794	1.839	AVRG		1.71234454	5.729	15.000
Xylenes (total)							AVRG				0.000
Bromoform	638	4555	20631	56701	123540	272640	LINR	4.592e-002	3.55793470	0.99901	0.99000
1,1,2,2-Tetrachloroethane	1.067	1.183	1.058	1.018	1.087	1.163	AVRG		1.09611600	5.857	15.000
m+p-Xylenes	0.602	0.571	0.594	0.610	0.668	0.709	AVRG		0.62582575	8.321	15.000
o-Xylene	0.540	0.535	0.544	0.580	0.608	0.620	AVRG		0.57134222	6.487	15.000
Dibromofluoromethane	0.580	0.611	0.552	0.499	0.564	0.539	AVRG		0.55750756	6.817	15.000
1,2-Dichloroethane-D4	0.700	0.702	0.567	0.512	0.620	0.630	AVRG		0.62182569	11.968	15.000
Toluene-D8	1.092	1.169	1.119	1.050	1.148	1.161	AVRG		1.12323215	4.086	15.000
P-Bromofluorobenzene	0.451	0.429	0.392	0.392	0.449	0.481	AVRG		0.43237064	8.131	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date(s): 05/11/04 05/11/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0927 1647

Average %RSD test result.

Calculate Average %RSD: 10.27576160
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: ZB820 BFB Injection Date: 05/26/04

Instrument ID: GCMS-Z BFB Injection Time: 0814

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 60.0% of mass 95	40.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.7 (7.7)1
176	95.0 - 101.0% of mass 174	71.4 (95.9)1
177	5.0 - 9.0% of mass 176	4.6 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD200Z26A	Z1677	05/26/04	1242
02		VSTD050Z26A	Z1679	05/26/04	1358
03		VSTD020Z26A	Z1680	05/26/04	1435
04		VSTD005Z26A	Z1681	05/26/04	1512
05		VSTD001Z26A	Z1682	05/26/04	1550
06		VSTD100Z26A	Z1685	05/26/04	1742
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date(s): 05/26/04 05/26/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0937 1742

LAB FILE ID: RF1: Z1682 RF5: Z1681 RF20: Z1680
RF50: Z1679 RF100: Z1685 RF200: Z1677

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Chloromethane	0.477	0.418	0.457	0.460	0.482	0.485	AVRG		0.46311278		5.394	15.000
Vinyl chloride	0.439	0.398	0.447	0.484	0.475	0.486	AVRG		0.45488987		7.505	15.000
Bromomethane	0.210	0.212	0.257	0.272	0.297	0.269	AVRG		0.25299352		13.836	15.000
Chloroethane	2744	11974	50442	115500	213580	345280	2ORDR	3.079e-002	2.44789556	4.31158491	0.99848	0.99000
1,1-Dichloroethene	0.368	0.321	0.358	0.384	0.392	0.384	AVRG		0.36787155		7.026	15.000
Methylene Chloride	32429	41288	107890	231860	451840	910160	LINR	-8.9e-002	2.16168840		0.99903	0.99000
trans-1,2-Dichloroethene	0.403	0.378	0.438	0.466	0.457	0.442	AVRG		0.43071507		7.763	15.000
Methyl tert-butyl ether	1.097	0.976	1.172	1.220	1.198	1.119	AVRG		1.13035738		7.860	15.000
1,1-Dichloroethane	0.627	0.624	0.742	0.752	0.742	0.746	AVRG		0.70531902		8.800	15.000
cis-1,2-Dichloroethene	0.484	0.421	0.488	0.492	0.525	0.524	AVRG		0.48883790		7.739	15.000
Chloroform	0.686	0.622	0.733	0.757	0.783	0.746	AVRG		0.72129946		8.038	15.000
Carbon Tetrachloride	0.233	0.229	0.271	0.301	0.308	0.313	AVRG		0.27586335		13.626	15.000
1,1,1-Trichloroethane	0.477	0.444	0.534	0.568	0.583	0.561	AVRG		0.52789688		10.554	15.000
Benzene	1.085	1.001	1.148	1.215	1.199	1.192	AVRG		1.13992317		7.243	15.000
1,2-Dichloroethane	0.335	0.300	0.350	0.352	0.362	0.363	AVRG		0.34377280		6.827	15.000
Trichloroethene	0.257	0.237	0.269	0.286	0.280	0.280	AVRG		0.26816078		6.882	15.000
1,2-Dichloropropane	2847	18705	87990	216360	434660	902810	LINR	6.857e-003	3.27226982		0.99988	0.99000
Bromodichloromethane	0.301	0.280	0.346	0.358	0.370	0.362	AVRG		0.33620153		10.968	15.000
cis-1,3-dichloropropene	0.385	0.357	0.454	0.465	0.491	0.485	AVRG		0.43931393		12.606	15.000
2-Chloroethylvinylether	0.152	0.148	0.198	0.203	0.208	0.201	AVRG		0.18496729		14.925	15.000
Toluene	0.644	0.596	0.695	0.718	0.693	0.711	AVRG		0.67604963		6.977	15.000
Tetrachloroethene	0.264	0.239	0.252	0.276	0.275	0.292	AVRG		0.26633261		7.071	15.000
trans-1,3-Dichloropropene	0.306	0.295	0.382	0.399	0.409	0.403	AVRG		0.36567128		14.021	15.000
1,1,2-Trichloroethane	0.222	0.196	0.243	0.247	0.245	0.232	AVRG		0.23102947		8.417	15.000
Dibromochloromethane	3327	16831	88684	230360	476290	979990	LINR	2.905e-002	2.41730802		0.99963	0.99000
Chlorobenzene	0.908	0.798	0.925	0.930	0.931	0.924	AVRG		0.90277880		5.753	15.000
Ethylbenzene	1.401	1.248	1.445	1.490	1.467	1.443	AVRG		1.41558272		6.171	15.000
Xylenes (total)							AVRG					0.000
Bromoform	2444	11262	62471	169120	356740	738890	LINR	4.033e-002	3.20184981		0.99937	0.99000
1,1,2,2-Tetrachloroethane	1.026	0.808	0.994	1.018	0.986	0.946	AVRG		0.96320889		8.427	15.000
m+p-Xylenes	0.623	0.498	0.545	0.570	0.562	0.513	AVRG		0.55160504		8.083	15.000
o-Xylene	0.552	0.472	0.542	0.569	0.553	0.572	AVRG		0.54344391		6.744	15.000
Dibromofluoromethane	0.458	0.447	0.514	0.487	0.491	0.482	AVRG		0.47976998		5.027	15.000
1,2-Dichloroethane-D4	0.498	0.457	0.482	0.456	0.472	0.449	AVRG		0.46922069		3.925	15.000
Toluene-D8	0.989	0.950	1.060	1.009	1.001	0.996	AVRG		1.00067766		3.554	15.000
P-Bromofluorobenzene	0.432	0.351	0.394	0.379	0.371	0.368	AVRG		0.38250394		7.341	15.000

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: SB690 BFB Injection Date: 05/28/04

Instrument ID: GCMS-S BFB Injection Time: 0729

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.3
75	30.0 - 60.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	63.5
175	5.0 - 9.0% of mass 174	4.9 (7.7)1
176	95.0 - 101.0% of mass 174	60.9 (95.8)1
177	5.0 - 9.0% of mass 176	3.9 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S28B	S1405	05/28/04	0840
02	WG7858-LCS	WG7858-1	S1406	05/28/04	0919
03	WG7858-BLANK	WG7858-2	S1408	05/28/04	1037
04	KWTB-052104	WU1519-6	S1410	05/28/04	1153
05	RR-MW-06-0504	WU1519-1	S1411	05/28/04	1228
06	A824-MW-01-0504	WU1519-2	S1412	05/28/04	1303
07	A824-MW-02-0504	WU1519-3	S1413	05/28/04	1338
08	A824-MW-03-0504	WU1519-4	S1414	05/28/04	1413
09	KW-DUP-03-0504	WU1519-5	S1415	05/28/04	1448
10	RR-MW-06-0504MS	WG7858-3	S1421	05/28/04	1819
11	RR-MW-06-0504MSD	WG7858-4	S1422	05/28/04	1854
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FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-S Calibration Date: 05/28/04 Time: 0840

Lab File ID: S1405 Init. Calib. Date(s): 05/11/04 05/11/04

Init. Calib. Times: 1031 1340

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Chloromethane	0.3160000	0.2911800	0.2911800	0.1	-7.85		AVRG
Vinyl chloride	0.3430000	0.3187600	0.3187600	0.01	-7.07	20.00	AVRG
Bromomethane	54.312000	50.000000	0.2381000	0.01	8.62		LINR
Chloroethane	0.2140000	0.1926200	0.1926200	0.01	-9.99		AVRG
1,1-Dichloroethene	43.264000	50.000000	0.3145000	0.01	-13.47	20.00	LINR
Methylene Chloride	46.287000	50.000000	0.4311500	0.01	-7.43		LINR
trans-1,2-Dichloroethene	0.4130000	0.3736500	0.3736500	0.01	-9.53		AVRG
Methyl tert-butyl ether	1.0020000	1.1158000	1.1158000	0.01	11.36		AVRG
1,1-Dichloroethane	0.6630000	0.5984000	0.5984000	0.3	-9.74		AVRG
cis-1,2-Dichloroethene	0.4510000	0.4284400	0.4284400	0.01	-5.00		AVRG
Chloroform	50.152000	50.000000	0.7928900	0.01	0.30	20.00	LINR
Carbon Tetrachloride	0.3490000	0.4150300	0.4150300	0.01	18.92		AVRG
1,1,1-Trichloroethane	0.6340000	0.6645500	0.6645500	0.01	4.82		AVRG
Benzene	1.0860000	1.0463000	1.0463000	0.01	-3.66		AVRG
1,2-Dichloroethane	0.4170000	0.4903800	0.4903800	0.01	17.60		AVRG
Trichloroethene	0.3030000	0.3045000	0.3045000	0.01	0.50		AVRG
1,2-Dichloropropane	0.2520000	0.2369300	0.2369300	0.01	-5.98	20.00	AVRG
Bromodichloromethane	0.4120000	0.4639300	0.4639300	0.01	12.60		AVRG
cis-1,3-dichloropropene	0.4600000	0.4880700	0.4880700	0.01	6.10		AVRG
2-Chloroethylvinylether	44.426000	50.000000	0.1143600	0.01	-11.15		LINR
Toluene	0.7120000	0.6853600	0.6853600	0.01	-3.74	20.00	AVRG
Tetrachloroethene	0.3080000	0.2997900	0.2997900	0.01	-2.66		AVRG
trans-1,3-Dichloropropene	0.3830000	0.4413900	0.4413900	0.01	15.24		AVRG
1,1,2-Trichloroethane	0.2030000	0.2225000	0.2225000	0.01	9.60		AVRG
Dibromochloromethane	0.3380000	0.3840100	0.3840100	0.01	13.61		AVRG
Chlorobenzene	0.9180000	0.8729100	0.8729100	0.3	-4.91		AVRG
Ethylbenzene	1.5610000	1.5076000	1.5076000	0.01	-3.42	20.00	AVRG
Xylenes (total)	1.7070000	1.6205000	1.6205000	0.01	-5.07		AVRG
m+p-Xylenes	0.5730000	0.5405900	0.5405900	0.01	-5.66		AVRG

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-S Calibration Date: 05/28/04 Time: 0840

Lab File ID: S1405 Init. Calib. Date(s): 05/11/04 05/11/04

Init. Calib. Times: 1031 1340

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
o-Xylene	0.5610000	0.5393600	0.5393600	0.01	-3.86		AVRG
Bromoform	0.2300000	0.2834700	0.2834700	0.1	23.25		AVRG
1,1,2,2-Tetrachloroethane	0.6100000	0.6543100	0.6543100	0.3	7.26		AVRG
Dibromofluoromethane	0.4360000	0.4476600	0.4476600	0.01	2.67		AVRG
1,2-Dichloroethane-D4	0.5120000	0.5740600	0.5740600	0.01	12.12		AVRG
Toluene-D8	1.0580000	1.0318000	1.0318000	0.01	-2.48		AVRG
P-Bromofluorobenzene	0.4310000	0.4426500	0.4426500	0.01	2.70		AVRG

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: ZB818 BFB Injection Date: 05/24/04

Instrument ID: GCMS-Z BFB Injection Time: 0833

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.0
75	30.0 - 60.0% of mass 95	39.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.8 (8.3)1
176	95.0 - 101.0% of mass 174	77.9 (95.3)1
177	5.0 - 9.0% of mass 176	5.4 (7.0)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050Z24A	Z1629	05/24/04	0900
02	WG7754-LCS	WG7754-1	Z1630	05/24/04	0939
03	WG7754-BLANK	WG7754-2	Z1632	05/24/04	1058
04	G01-MW-03-0504	WU1503-3	Z1641	05/24/04	1632
05	G01-MW-10-0504	WU1503-4	Z1642	05/24/04	1710
06	G01-MW-12-0504	WU1503-5	Z1643	05/24/04	1747
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FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date: 05/24/04 Time: 0900

Lab File ID: Z1629 Init. Calib. Date(s): 05/11/04 05/11/04

Init. Calib. Times: 0927 1647

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Chloromethane	0.7780000	0.9432700	0.9432700	0.1	21.24		AVRG	
Vinyl chloride	0.7190000	0.7954300	0.7954300	0.01	10.63	20.00	AVRG	
Bromomethane	0.6210000	0.5648900	0.5648900	0.01	-9.04		AVRG	
Chloroethane	0.4930000	0.5512500	0.5512500	0.01	11.82		AVRG	
1,1-Dichloroethene	0.5480000	0.5064200	0.5064200	0.1	-7.59	20.00	AVRG	
Methylene Chloride	47.403000	50.000000	0.7216100	0.01	-5.19		LINR	
trans-1,2-Dichloroethene	0.6450000	0.5964100	0.5964100	0.01	-7.53		AVRG	
Methyl tert-butyl ether	1.6220000	1.5376000	1.5376000	0.01	-5.20		AVRG	
1,1-Dichloroethane	1.1370000	1.0732000	1.0732000	0.3	-5.61		AVRG	
cis-1,2-Dichloroethene	0.5730000	0.5674300	0.5674300	0.01	-0.97		AVRG	
Chloroform	0.8830000	0.8427400	0.8427400	0.01	-4.56	20.00	AVRG	
Carbon Tetrachloride	0.2910000	0.2745500	0.2745500	0.01	-5.65		AVRG	
1,1,1-Trichloroethane	0.6660000	0.6250600	0.6250600	0.01	-6.15		AVRG	
Benzene	1.2710000	1.1869000	1.1869000	0.01	-6.62		AVRG	
1,2-Dichloroethane	0.4060000	0.3339200	0.3339200	0.01	-17.75		AVRG	
Trichloroethene	0.3200000	0.3079800	0.3079800	0.01	-3.76		AVRG	
1,2-Dichloropropane	0.3630000	0.3295100	0.3295100	0.01	-9.22	20.00	AVRG	
Bromodichloromethane	0.4150000	0.3759200	0.3759200	0.01	-9.42		AVRG	
cis-1,3-dichloropropene	0.5100000	0.4832800	0.4832800	0.01	-5.24		AVRG	
2-Chloroethylvinylether	35.558000	50.000000	0.1799600	0.01	-28.88		LINR	
Toluene	0.7790000	0.7213800	0.7213800	0.01	-7.40	20.00	AVRG	
Tetrachloroethene	0.2560000	0.2392700	0.2392700	0.01	-6.54		AVRG	
trans-1,3-Dichloropropene	43.027000	50.000000	0.4075800	0.01	-13.95		LINR	
1,1,2-Trichloroethane	0.2740000	0.2514600	0.2514600	0.01	-8.23		AVRG	
Dibromochloromethane	0.3420000	0.3192400	0.3192400	0.01	-6.66		AVRG	
Chlorobenzene	0.9740000	0.8383000	0.8383000	0.3	-13.93		AVRG	
Ethylbenzene	1.7120000	1.4803000	1.4803000	0.01	-13.53	20.00	AVRG	
Xylenes (total)	0.0000000	0.5296200	0.5296200	0.01	0.00		AVRG	<-
Bromoform	43.009000	50.000000	0.2288600	0.1	-13.98		LINR	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date: 05/24/04 Time: 0900

Lab File ID: Z1629 Init. Calib. Date(s): 05/11/04 05/11/04

Init. Calib. Times: 0927 1647

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,1,2,2-Tetrachloroethane	1.0960000	0.7563700	0.7563700	0.3	-30.99		AVRG
m+p-Xylenes	0.6260000	0.5331200	0.5331200	0.01	-14.84		AVRG
o-Xylene	0.5710000	0.5226400	0.5226400	0.01	-8.47		AVRG
Dibromofluoromethane	0.5580000	0.5559700	0.5559700	0.01	-0.36		AVRG
1,2-Dichloroethane-D4	0.6220000	0.5261400	0.5261400	0.01	-15.41		AVRG
Toluene-D8	1.1230000	1.0622000	1.0622000	0.01	-5.41		AVRG
P-Bromofluorobenzene	0.4320000	0.4354100	0.4354100	0.01	0.79		AVRG

FORM VII PEST

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: ZB822 BFB Injection Date: 05/28/04

Instrument ID: GCMS-Z BFB Injection Time: 0708

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	44.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	9.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	51.8
175	5.0 - 9.0% of mass 174	3.8 (7.4)1
176	95.0 - 101.0% of mass 174	49.3 (95.3)1
177	5.0 - 9.0% of mass 176	3.5 (7.1)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050Z28A	Z1706	05/28/04	0736
02	WG7857-LCS	WG7857-1	Z1707	05/28/04	0815
03	WG7857-BLANK	WG7857-2	Z1709	05/28/04	0931
04	FC-MW-05-0504	WU1529-1	Z1718	05/28/04	1510
05	FC-MW-06-0504	WU1529-2	Z1719	05/28/04	1548
06	FC-MW-22-0504	WU1529-3	Z1720	05/28/04	1625
07	KW-DUP-01-0504	WU1529-4	Z1721	05/28/04	1703
08	G01-MW02-0504	WU1529-5	Z1722	05/28/04	1739
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date: 05/28/04 Time: 0736

Lab File ID: Z1706 Init. Calib. Date(s): 05/26/04 05/26/04

Init. Calib. Times: 0937 1742

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Chloromethane	0.4630000	0.4402600	0.4402600	0.1	-4.91		AVRG	
Vinyl chloride	0.4550000	0.4205700	0.4205700	0.01	-7.57	20.00	AVRG	
Bromomethane	0.2530000	0.2415600	0.2415600	0.01	-4.52		AVRG	
Chloroethane	43.212000	50.000000	0.2394700	0.01	-13.58		2RDR	
1,1-Dichloroethene	0.3680000	0.3420200	0.3420200	0.1	-7.06	20.00	AVRG	
Methylene Chloride	50.885000	50.000000	0.5119800	0.01	1.77		LINR	
trans-1,2-Dichloroethene	0.4310000	0.4184800	0.4184800	0.01	-2.90		AVRG	
Methyl tert-butyl ether	1.1300000	1.1725000	1.1725000	0.01	3.76		AVRG	
1,1-Dichloroethane	0.7060000	0.7144500	0.7144500	0.3	1.20		AVRG	
cis-1,2-Dichloroethene	0.4890000	0.4859800	0.4859800	0.01	-0.62		AVRG	
Chloroform	0.7210000	0.7107200	0.7107200	0.01	-1.42	20.00	AVRG	
Carbon Tetrachloride	0.2760000	0.2718200	0.2718200	0.01	-1.51		AVRG	
1,1,1-Trichloroethane	0.5280000	0.5076200	0.5076200	0.01	-3.86		AVRG	
Benzene	1.1400000	1.1127000	1.1127000	0.01	-2.39		AVRG	
1,2-Dichloroethane	0.3440000	0.3377100	0.3377100	0.01	-1.83		AVRG	
Trichloroethene	0.2680000	0.2640300	0.2640300	0.01	-1.48		AVRG	
1,2-Dichloropropane	47.624000	50.000000	0.2889800	0.01	-4.75	20.00	LINR	
Bromodichloromethane	0.3360000	0.3554300	0.3554300	0.01	5.78		AVRG	
cis-1,3-dichloropropene	0.4400000	0.4557600	0.4557600	0.01	3.58		AVRG	
2-Chloroethylvinylether	0.1850000	0.1727900	0.1727900	0.01	-6.60		AVRG	
Toluene	0.6760000	0.6915400	0.6915400	0.01	2.30	20.00	AVRG	
Tetrachloroethene	0.2660000	0.2578800	0.2578800	0.01	-3.05		AVRG	
trans-1,3-Dichloropropene	0.3660000	0.3809000	0.3809000	0.01	4.07		AVRG	
1,1,2-Trichloroethane	0.2310000	0.2215200	0.2215200	0.01	-4.10		AVRG	
Dibromochloromethane	45.403000	50.000000	0.3636300	0.01	-9.19		LINR	
Chlorobenzene	0.9030000	0.8936900	0.8936900	0.3	-1.03		AVRG	
Ethylbenzene	1.4160000	1.3982000	1.3982000	0.01	-1.26	20.00	AVRG	
Xylenes (total)	0.0000000	0.5334100	0.5334100	0.01	0.00		AVRG	<-
Bromoform	42.382000	50.000000	0.2521400	0.1	-15.24		LINR	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date: 05/28/04 Time: 0736

Lab File ID: Z1706 Init. Calib. Date(s): 05/26/04 05/26/04

Init. Calib. Times: 0937 1742

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,1,2,2-Tetrachloroethane	0.9630000	0.7998700	0.7998700	0.3	-16.94		AVRG
m+p-Xylenes	0.5520000	0.5318100	0.5318100	0.01	-3.66		AVRG
o-Xylene	0.5430000	0.5366200	0.5366200	0.01	-1.18		AVRG
Dibromofluoromethane	0.4800000	0.4712800	0.4712800	0.01	-1.82		AVRG
1,2-Dichloroethane-D4	0.4690000	0.4297400	0.4297400	0.01	-8.37		AVRG
Toluene-D8	1.0010000	1.0222000	1.0222000	0.01	2.12		AVRG
P-Bromofluorobenzene	0.3820000	0.3780500	0.3780500	0.01	-1.03		AVRG

FORM VII PEST

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: ZB823 BFB Injection Date: 06/01/04

Instrument ID: GCMS-Z BFB Injection Time: 0804

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.8
75	30.0 - 60.0% of mass 95	39.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	92.0
175	5.0 - 9.0% of mass 174	6.5 (7.1)1
176	95.0 - 101.0% of mass 174	91.1 (99.1)1
177	5.0 - 9.0% of mass 176	6.0 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050Z01A	Z1727	06/01/04	0828
02	WG7892-LCS	WG7892-1	Z1728	06/01/04	0909
03	WG7892-BLANK	WG7892-2	Z1730	06/01/04	1024
04	KWTB-052404	WU1529-9	Z1731	06/01/04	1104
05	G01-MW04-0504	WU1529-6	Z1734	06/01/04	1255
06	G01-MW05-0504	WU1529-7	Z1735	06/01/04	1410
07	G01-MW11-0504	WU1529-8	Z1736	06/01/04	1446
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FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date: 06/01/04 Time: 0828

Lab File ID: Z1727 Init. Calib. Date(s): 05/26/04 05/26/04

Init. Calib. Times: 0937 1742

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Chloromethane	0.4630000	0.4585500	0.4585500	0.1	-0.96		AVRG	
Vinyl chloride	0.4550000	0.4320900	0.4320900	0.01	-5.04	20.00	AVRG	
Bromomethane	0.2530000	0.1916300	0.1916300	0.01	-24.26		AVRG	
Chloroethane	40.729000	50.000000	0.2283500	0.01	-18.54		2RDR	
1,1-Dichloroethene	0.3680000	0.3447400	0.3447400	0.1	-6.32	20.00	AVRG	
Methylene Chloride	48.867000	50.000000	0.4933100	0.01	-2.27		LINR	
trans-1,2-Dichloroethene	0.4310000	0.4131400	0.4131400	0.01	-4.14		AVRG	
Methyl tert-butyl ether	1.1300000	1.2062000	1.2062000	0.01	6.74		AVRG	
1,1-Dichloroethane	0.7060000	0.6949200	0.6949200	0.3	-1.57		AVRG	
cis-1,2-Dichloroethene	0.4890000	0.5164400	0.5164400	0.01	5.61		AVRG	
Chloroform	0.7210000	0.7357600	0.7357600	0.01	2.05	20.00	AVRG	
Carbon Tetrachloride	0.2760000	0.2921700	0.2921700	0.01	5.86		AVRG	
1,1,1-Trichloroethane	0.5280000	0.5424100	0.5424100	0.01	2.73		AVRG	
Benzene	1.1400000	1.1744000	1.1744000	0.01	3.02		AVRG	
1,2-Dichloroethane	0.3440000	0.3584600	0.3584600	0.01	4.20		AVRG	
Trichloroethene	0.2680000	0.2647300	0.2647300	0.01	-1.22		AVRG	
1,2-Dichloropropane	51.770000	50.000000	0.3143200	0.01	3.54	20.00	LINR	
Bromodichloromethane	0.3360000	0.3463800	0.3463800	0.01	3.09		AVRG	
cis-1,3-dichloropropene	0.4400000	0.4877400	0.4877400	0.01	10.85		AVRG	
2-Chloroethylvinylether	0.1850000	0.2337900	0.2337900	0.01	26.37		AVRG	
Toluene	0.6760000	0.6855900	0.6855900	0.01	1.42	20.00	AVRG	
Tetrachloroethene	0.2660000	0.2663300	0.2663300	0.01	0.12		AVRG	
trans-1,3-Dichloropropene	0.3660000	0.4067800	0.4067800	0.01	11.14		AVRG	
1,1,2-Trichloroethane	0.2310000	0.2278000	0.2278000	0.01	-1.38		AVRG	
Dibromochloromethane	46.052000	50.000000	0.3690000	0.01	-7.90		LINR	
Chlorobenzene	0.9030000	0.8529600	0.8529600	0.3	-5.54		AVRG	
Ethylbenzene	1.4160000	1.3465000	1.3465000	0.01	-4.91	20.00	AVRG	
Xylenes (total)	0.0000000	0.5236800	0.5236800	0.01	0.00		AVRG	<-
Bromoform	44.979000	50.000000	0.2683600	0.1	-10.04		LINR	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-Z Calibration Date: 06/01/04 Time: 0828

Lab File ID: Z1727 Init. Calib. Date(s): 05/26/04 05/26/04

Init. Calib. Times: 0937 1742

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,1,2,2-Tetrachloroethane	0.9630000	0.7896200	0.7896200	0.3	-18.00		AVRG
m+p-Xylenes	0.5520000	0.5308700	0.5308700	0.01	-3.83		AVRG
o-Xylene	0.5430000	0.5092900	0.5092900	0.01	-6.21		AVRG
Dibromofluoromethane	0.4800000	0.4909900	0.4909900	0.01	2.29		AVRG
1,2-Dichloroethane-D4	0.4690000	0.4492600	0.4492600	0.01	-4.21		AVRG
Toluene-D8	1.0010000	1.0578000	1.0578000	0.01	5.67		AVRG
P-Bromofluorobenzene	0.3820000	0.4026000	0.4026000	0.01	5.39		AVRG

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column(1): SPB 608 ID: 0.53 (mm) GC Column(2): RTX-CLP IIID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 TCX#	SMC2 TCX#			TOT OUT
01	WG7920-BLANK	WG7920-1	86	82			0
02	WG7920-LCS	WG7920-2	91	87			0
03	WG7920-LCSD	WG7920-3	86	82			0
04	G01-MW-03-0504	WU1503-3	80	76			0
05	G01-MW-10-0504	WU1503-4	58	54*			1
06	G01-MW-12-0504	WU1503-5	50*	54*			2
07	A824-MW-02-0504	WU1519-3	53*	57			1
08	A824-MW-03-0504	WU1519-4	78	72			0
09	KW-DUP-03-0504	WU1519-5	61	56*			1
10	FC-MW-22-0504	WU1529-3	71	71			0
11	KW-DUP-01-0504	WU1529-4	71	65			0
12	G01-MW02-0504	WU1529-5	55*	49*			2
13	G01-MW05-0504	WU1529-7	74	66			0
14	G01-MW11-0504	WU1529-8	62	64			0
15	WG7969-BLANK	WG7969-1	111	111			0
16	WG7969-LCS	WG7969-2	124	119			0
17	WG7969-LCSD	WG7969-3	126	102			0
18	G01-MW-12-0504	WU1503-5RE	56*	54*			2
19	RR-MW-06-0504	WU1519-1RE	73	76			0
20	RR-MW-06-0504MS	WG7969-4	66	61			0
21	RR-MW-06-0504MSD	WG7969-5	76	78			0
22	A824-MW-01-0504	WU1519-2RE	88	83			0
23	G01-MW04-0504	WU1529-6RE	74	72			0
24	FC-MW-05-0504	WU1529-1RE	64	60			0
25	FC-MW-06-0504	WU1529-2RE	86	81			0
26	WG8161-BLANK	WG8161-1	107	110			0
27	WG8161-LCS	WG8161-2	90	95			0
28	WG8161-LCSD	WG8161-3	84	86			0

SMC1 (TCX) = Tetrachloro-M-Xylene QC LIMITS (57-128)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column(1): SPB 608 ID: 0.53 (mm) GC Column(2): RTX-CLP IIID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 TCX#	SMC2 TCX#			TOT OUT
01	G01-MW02-0504	WU1529-5RE	31*	34*			2
02							
03							
04							
05							
06							
07							
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28							

SMC1 (TCX) = Tetrachloro-M-Xylene QC LIMITS (57-128)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7920-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab Sample ID: WG7920-1 Lab File ID: 3UF1010

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) 504.1

Sulfur Cleanup: (Y/N) N Date Extracted: 06/02/04

Date Analyzed (1): 06/02/04 Date Analyzed (2): 06/02/04

Time Analyzed (1): 1748 Time Analyzed (2): 1748

Instrument ID (1): GC03 Instrument ID (2): GC03

GC Column (1): SPB 608 ID: 0.53(mm) GC Column (2): RTX-CLP II ID: 0.53(mm)

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG7920-LCS	WG7920-2	3UF1011	06/02/04	06/02/04
02	WG7920-LCSD	WG7920-3	3UF1012	06/02/04	06/02/04
03	G01-MW-03-0504	WU1503-3	3UF1016	06/02/04	06/02/04
04	G01-MW-10-0504	WU1503-4	3UF1017	06/02/04	06/02/04
05	G01-MW-12-0504	WU1503-5	3UF1018	06/02/04	06/02/04
06	A824-MW-02-0504	WU1519-3	3UF1023	06/02/04	06/02/04
07	A824-MW-03-0504	WU1519-4	3UF1024	06/02/04	06/02/04
08	KW-DUP-03-0504	WU1519-5	3UF1025	06/02/04	06/02/04
09	FC-MW-22-0504	WU1529-3	3UF1028	06/02/04	06/02/04
10	KW-DUP-01-0504	WU1529-4	3UF1029	06/02/04	06/02/04
11	G01-MW02-0504	WU1529-5	3UF1030	06/02/04	06/02/04
12	G01-MW05-0504	WU1529-7	3UF1032	06/03/04	06/03/04
13	G01-MW11-0504	WU1529-8	3UF1033	06/03/04	06/03/04
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7969-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab Sample ID: WG7969-1 Lab File ID: 3UF1042

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) 504.1

Sulfur Cleanup: (Y/N) N Date Extracted: 06/03/04

Date Analyzed (1): 06/03/04 Date Analyzed (2): 06/03/04

Time Analyzed (1): 1507 Time Analyzed (2): 1507

Instrument ID (1): GC03 Instrument ID (2): GC03

GC Column (1): SPB 608 ID: 0.53(mm) GC Column (2): RTX-CLP II ID: 0.53(mm)

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG7969-LCS	WG7969-2	3UF1043	06/03/04	06/03/04
02	WG7969-LCSD	WG7969-3	3UF1044	06/03/04	06/03/04
03	G01-MW-12-0504	WU1503-5RE	3UF1045	06/03/04	06/03/04
04	RR-MW-06-0504	WU1519-1RE	3UF1046	06/03/04	06/03/04
05	RR-MW-06-0504MS	WG7969-4	3UF1047	06/03/04	06/03/04
06	RR-MW-06-0504MSD	WG7969-5	3UF1048	06/03/04	06/03/04
07	A824-MW-01-0504	WU1519-2RE	3UF1049	06/03/04	06/03/04
08	G01-MW04-0504	WU1529-6RE	3UF1050	06/03/04	06/03/04
09	FC-MW-05-0504	WU1529-1RE	3UF1052	06/03/04	06/03/04
10	FC-MW-06-0504	WU1529-2RE	3UF1054	06/04/04	06/04/04
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG8161-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab Sample ID: WG8161-1 Lab File ID: 3UF1152

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) 504.1

Sulfur Cleanup: (Y/N) N Date Extracted: 06/17/04

Date Analyzed (1): 06/17/04 Date Analyzed (2): 06/17/04

Time Analyzed (1): 1115 Time Analyzed (2): 1115

Instrument ID (1): GC03 Instrument ID (2): GC03

GC Column (1): SPB 608 ID: 0.53(mm) GC Column (2): RTX-CLP II ID: 0.53(mm)

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG8161-LCS	WG8161-2	3UF1153	06/17/04	06/17/04
02	WG8161-LCSD	WG8161-3	3UF1154	06/17/04	06/17/04
03	G01-MW02-0504	WU1529-5RE	3UF1158	06/17/04	06/17/04
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 06/02/04
Analysis Date: 06/02/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7920-1
Client ID: WG7920-Blank
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7920
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 06/03/04
Analysis Date: 06/03/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7969-1
Client ID: WG7969-Blank
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG7969
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		111%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 06/17/04
Analysis Date: 06/17/04
Report Date: 06/25/2004
Matrix: WATER
% Solids: NA

Lab ID: WG8161-1
Client ID: WG8161-Blank
SDG: CTO301318-1
Extracted by: LAD
Extraction Method: 504.1
Analyst: LAD
Analysis Method: EPA 504.1
Lab Prep Batch: WG8161
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.020	1.0	0.020	0.020	0.020
877-09-8	Tetrachloro-M-Xylene		110%				

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: SPB 608 ID: 0.53 (mm) Init. Calib. Date(s): 06/02/04 06/02/04

Instrument ID: GC03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 12.03

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	ICAL	0.02	06/02/04	1540	12.04	
02	ICAL	0.05	06/02/04	1558	12.04	
03	ICAL	0.10	06/02/04	1617	12.03	
04	ICAL	0.25	06/02/04	1635	12.04	
05	ICAL	0.50	06/02/04	1653	12.04	
06	ICAL	1.0	06/02/04	1711	12.04	
07	ICAL	2.5	06/02/04	1730	12.04	
08	WG7920-BLANK	WG7920-1	06/02/04	1748	12.04	
09	WG7920-LCS	WG7920-2	06/02/04	1806	12.04	
10	WG7920-LCSD	WG7920-3	06/02/04	1824	12.04	
11	G01-MW-03-05	WU1503-3	06/02/04	1937	12.04	
12	G01-MW-10-05	WU1503-4	06/02/04	1956	12.03	
13	G01-MW-12-05	WU1503-5	06/02/04	2014	12.03	
14	A824-MW-02-0	WU1519-3	06/02/04	2145	12.04	
15	A824-MW-03-0	WU1519-4	06/02/04	2203	12.04	
16	KW-DUP-03-05	WU1519-5	06/02/04	2222	12.04	
17	FC-MW-22-050	WU1529-3	06/02/04	2316	12.04	
18	KW-DUP-01-05	WU1529-4	06/02/04	2334	12.03	
19	G01-MW02-050	WU1529-5	06/02/04	2353	12.04	
20	G01-MW05-050	WU1529-7	06/03/04	0029	12.03	

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: SPB 608 ID: 0.53 (mm) Init. Calib. Date(s): 06/02/04 06/02/04

Instrument ID: GC03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 12.03

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	G01-MW11-050	WU1529-8	06/03/04	0047	12.03	
02	CV	CV	06/03/04	0219	12.04	
03	CV	CV	06/03/04	1332	12.07	
04	WG7969-BLANK	WG7969-1	06/03/04	1507	12.07	
05	WG7969-LCS	WG7969-2	06/03/04	1525	12.05	
06	WG7969-LCSD	WG7969-3	06/03/04	1543	12.04	
07	G01-MW-12-05	WU1503-5RE	06/03/04	1601	12.03	
08	RR-MW-06-050	WU1519-1RE	06/03/04	1620	12.04	
09	RR-MW-06-050	WG7969-4	06/03/04	1638	12.04	
10	RR-MW-06-050	WG7969-5	06/03/04	1656	12.04	
11	A824-MW-01-0	WU1519-2RE	06/03/04	1714	12.04	
12	G01-MW04-050	WU1529-6RE	06/03/04	1733	12.04	
13	FC-MW-05-050	WU1529-1RE	06/03/04	1809	12.05	
14	CV	CV	06/04/04	0733	12.08	
15	FC-MW-06-050	WU1529-2RE	06/04/04	0758	12.05	
16	CV	CV	06/04/04	0947	12.04	
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: RTX-CLP II ID: 0.53 (mm) Init. Calib. Date(s): 06/02/04 06/02/04

Instrument ID: GC03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 11.33

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	ICAL	0.02	06/02/04	1540	11.35	
02	ICAL	0.05	06/02/04	1558	11.35	
03	ICAL	0.10	06/02/04	1617	11.33	
04	ICAL	0.25	06/02/04	1635	11.35	
05	ICAL	0.50	06/02/04	1653	11.35	
06	ICAL	1.0	06/02/04	1711	11.35	
07	ICAL	2.5	06/02/04	1730	11.35	
08	WG7920-BLANK	WG7920-1	06/02/04	1748	11.35	
09	WG7920-LCS	WG7920-2	06/02/04	1806	11.35	
10	WG7920-LCSD	WG7920-3	06/02/04	1824	11.35	
11	G01-MW-03-05	WU1503-3	06/02/04	1937	11.35	
12	G01-MW-10-05	WU1503-4	06/02/04	1956	11.33	
13	G01-MW-12-05	WU1503-5	06/02/04	2014	11.35	
14	A824-MW-02-0	WU1519-3	06/02/04	2145	11.35	
15	A824-MW-03-0	WU1519-4	06/02/04	2203	11.35	
16	KW-DUP-03-05	WU1519-5	06/02/04	2222	11.35	
17	FC-MW-22-050	WU1529-3	06/02/04	2316	11.35	
18	KW-DUP-01-05	WU1529-4	06/02/04	2334	11.35	
19	G01-MW02-050	WU1529-5	06/02/04	2353	11.35	
20	G01-MW05-050	WU1529-7	06/03/04	0029	11.35	

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: RTX-CLP II ID: 0.53 (mm) Init. Calib. Date(s): 06/02/04 06/02/04

Instrument ID: GC03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 11.33

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	G01-MW11-050	WU1529-8	06/03/04	0047	11.35	
02	CV	CV	06/03/04	0219	11.35	
03	CV	CV	06/03/04	1332	11.37	
04	WG7969-BLANK	WG7969-1	06/03/04	1507	11.37	
05	WG7969-LCS	WG7969-2	06/03/04	1525	11.36	
06	WG7969-LCSD	WG7969-3	06/03/04	1543	11.35	
07	G01-MW-12-05	WU1503-5RE	06/03/04	1601	11.35	
08	RR-MW-06-050	WU1519-1RE	06/03/04	1620	11.35	
09	RR-MW-06-050	WG7969-4	06/03/04	1638	11.36	
10	RR-MW-06-050	WG7969-5	06/03/04	1656	11.35	
11	A824-MW-01-0	WU1519-2RE	06/03/04	1714	11.35	
12	G01-MW04-050	WU1529-6RE	06/03/04	1733	11.35	
13	FC-MW-05-050	WU1529-1RE	06/03/04	1809	11.36	
14	CV	CV	06/04/04	0733	11.37	
15	FC-MW-06-050	WU1529-2RE	06/04/04	0758	11.36	
16	CV	CV	06/04/04	0947	11.36	
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: SPB 608 ID: 0.53 (mm) Init. Calib. Date(s): 06/17/04 06/17/04

Instrument ID: GC03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 12.03

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	ICAL	0.02	06/17/04	0908	12.05	
02	ICAL	0.05	06/17/04	0926	12.05	
03	ICAL	0.10	06/17/04	0944	12.04	
04	ICAL	0.25	06/17/04	1003	12.04	
05	ICAL	0.50	06/17/04	1021	12.04	
06	ICAL	1.0	06/17/04	1039	12.04	
07	ICAL	2.5	06/17/04	1057	12.04	
08	WG8161-BLANK	WG8161-1	06/17/04	1115	12.04	
09	WG8161-LCS	WG8161-2	06/17/04	1134	12.04	
10	WG8161-LCSD	WG8161-3	06/17/04	1152	12.04	
11	G01-MW02-050	WU1529-5RE	06/17/04	1305	12.04	
12	CV	CV	06/17/04	1721	12.04	
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.24 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: RTX-CLP II ID: 0.53 (mm) Init. Calib. Date(s): 06/17/04 06/17/04

Instrument ID: GC03

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 11.33

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	ICAL	0.02	06/17/04	0908	11.37	
02	ICAL	0.05	06/17/04	0926	11.36	
03	ICAL	0.10	06/17/04	0944	11.36	
04	ICAL	0.25	06/17/04	1003	11.36	
05	ICAL	0.50	06/17/04	1021	11.36	
06	ICAL	1.0	06/17/04	1039	11.35	
07	ICAL	2.5	06/17/04	1057	11.35	
08	WG8161-BLANK	WG8161-1	06/17/04	1115	11.35	
09	WG8161-LCS	WG8161-2	06/17/04	1134	11.35	
10	WG8161-LCSD	WG8161-3	06/17/04	1152	11.35	
11	G01-MW02-050	WU1529-5RE	06/17/04	1305	11.35	
12	CV	CV	06/17/04	1721	11.35	
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-M-Xylene (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/02/04 06/02/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 1540 1730

LAB FILE ID: RF0.02: 3UF1003 RF0.05: 3UF1004 RF0.1: 3UF1005
RF0.25: 3UF1006 RF0.5: 3UF1007 RF1: 3UF1008

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	1888	4657	9189	20346	35226	61414	2ORDR	-1.06e-002	1.244e-005	6.149e-011	0.99984	0.99000
Tetrachloro-M-Xylene	14432	32267	58550	67797	82368	160610	2ORDR	1.776e-002	1.358e-005	1.131e-011	0.99924	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/02/04 06/02/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 1540 1730

RF2.5: 3UF1009

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	124920	2ORDR	-1.06e-002	1.244e-005	6.149e-011	0.99984	0.99000
Tetrachloro-M-Xylene	294730	2ORDR	1.776e-002	1.358e-005	1.131e-011	0.99924	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/02/04 06/02/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 1540 1730

LAB FILE ID: RF0.02: 3UF2003 RF0.05: 3UF2004 RF0.1: 3UF2005
RF0.25: 3UF2006 RF0.5: 3UF2007 RF1: 3UF2008

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	245	545	1030	2376	4595	8515	2ORDR	-6.76e-003	1.055e-004	1.399e-009	0.99997	0.99000
Tetrachloro-M-Xylene	2132	4433	8465	9840	12086	24520	2ORDR	8.842e-003	1.004e-004	9.231e-012	0.99914	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/02/04 06/02/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 1540 1730

RF2.5: 3UF2009

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	18990	2ORDR	-6.76e-003	1.055e-004	1.399e-009	0.99997	0.99000
Tetrachloro-M-Xylene	49508	2ORDR	8.842e-003	1.004e-004	9.231e-012	0.99914	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/17/04 06/17/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 0908 1057

LAB FILE ID: RF0.02: 3UF1145 RF0.05: 3UF1146 RF0.1: 3UF1147
RF0.25: 3UF1148 RF0.5: 3UF1149 RF1: 3UF1150

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	1734	4829	9243	20928	36459	61063	2ORDR	-1.35e-002	1.257e-005	5.723e-011	0.99951	0.99000
Tetrachloro-M-Xylene	27516	43113	73767	81701	94331	180720	2ORDR	-9.52e-002	1.366e-005	8.999e-013	0.99730	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/17/04 06/17/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 0908 1057

RF2.5: 3UF1151

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	126940	2ORDR	-1.35e-002	1.257e-005	5.723e-011	0.99951	0.99000
Tetrachloro-M-Xylene	365490	2ORDR	-9.52e-002	1.366e-005	8.999e-013	0.99730	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/17/04 06/17/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 0908 1057

LAB FILE ID: RF0.02: 3UF2145 RF0.05: 3UF2146 RF0.1: 3UF2147
RF0.25: 3UF2148 RF0.5: 3UF2149 RF1: 3UF2150

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	249	546	1040	2378	4402	7912	2ORDR	-1.63e-002	1.178e-004	9.492e-010	0.99965	0.99000
Tetrachloro-M-Xylene	2701	4878		9953	12241	25324	2ORDR	-2.72e-002	1.099e-004	-4.3e-010	0.99989	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date(s): 06/17/04 06/17/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 0908 1057

RF2.5: 3UF2151

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	18600	2ORDR	-1.63e-002	1.178e-004	9.492e-010	0.99965	0.99000
Tetrachloro-M-Xylene	59680	2ORDR	-2.72e-002	1.099e-004	-4.3e-010	0.99989	0.99000

FORM VI VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/03/04 Time: 0219

Lab File ID: 3UF1038 Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: SPB 608 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.5070200	0.5000000	70450.000	0.01	1.40	30.00	2RDR
Tetrachloro-M-Xylene	1.1010000	1.2500000	65890.000	0.01	-11.92	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/03/04 Time: 0219

Lab File ID: 3UF2038 Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: RTX-CLP II ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.5019200	0.5000000	9096.0000	0.01	0.38	30.00	2RDR
Tetrachloro-M-Xylene	1.0158000	1.2500000	8012.8000	0.01	-18.74	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/03/04 Time: 1332

Lab File ID: 3UF1041A Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: SPB 608 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4402400	0.5000000	62754.000	0.01	-11.95	30.00	2RDR
Tetrachloro-M-Xylene	1.5688000	1.2500000	84021.000	0.01	25.50	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/03/04 Time: 1332

Lab File ID: 3UF2041A Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: RTX-CLP II ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4865800	0.5000000	9222.0000	0.01	-2.68	30.00	2RDR
Tetrachloro-M-Xylene	1.3417000	1.2500000	10602.000	0.01	7.34	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/04/04 Time: 0733

Lab File ID: 3UF1053 Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: SPB 608 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4308600	0.5000000	61600.000	0.01	-13.83	30.00	2RDR
Tetrachloro-M-Xylene	1.5675000	1.2500000	83955.000	0.01	25.40	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/04/04 Time: 0733

Lab File ID: 3UF2053 Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: RTX-CLP II ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4992000	0.5000000	9050.0000	0.01	-0.16	30.00	2RDR
Tetrachloro-M-Xylene	1.5689000	1.2500000	12407.000	0.01	25.51	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/04/04 Time: 0947

Lab File ID: 3UF1060 Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: SPB 608 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4739100	0.5000000	66854.000	0.01	-5.22	30.00	2RDR
Tetrachloro-M-Xylene	1.4784000	1.2500000	79471.000	0.01	18.27	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/04/04 Time: 0947

Lab File ID: 3UF2060 Init. Calib. Date(s): 06/02/04 06/02/04

Init. Calib. Times: 1540 1730

GC Column: RTX-CLP II ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4957800	0.5000000	8992.0000	0.01	-0.84	30.00	2RDR
Tetrachloro-M-Xylene	1.4515000	1.2500000	11475.000	0.01	16.12	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/17/04 Time: 1721

Lab File ID: 3UF1172 Init. Calib. Date(s): 06/17/04 06/17/04

Init. Calib. Times: 0908 1057

GC Column: SPB 608 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4786300	0.5000000	67804.000	0.01	-4.27	30.00	2RDR
Tetrachloro-M-Xylene	1.2125000	1.2500000	76093.000	0.01	-3.00	30.00	2RDR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC03 Calibration Date: 06/17/04 Time: 1721

Lab File ID: 3UF2172 Init. Calib. Date(s): 06/17/04 06/17/04

Init. Calib. Times: 0908 1057

GC Column: RTX-CLP II ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.5000 or AMOUNT	CCAL RRF0.5000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,2-Dibromoethane	0.4918700	0.5000000	8348.0000	0.01	-1.63	30.00	2RDR
Tetrachloro-M-Xylene	1.4173000	1.2500000	11117.000	0.01	13.38	30.00	2RDR

FORM VII PEST

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0405424A

Work Order Summary

CLIENT:	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092	**BILL TO:**	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092
PHONE:	207-874-2400	**P.O. #**	
FAX:	207-775-4029	**PROJECT #**	WU1503 TTNLS/ Keywest
DATE RECEIVED:	5/25/2004	**CONTACT:**	Betty Chu
DATE COMPLETED:	6/1/2004		

FRACTION #	NAME	TEST
01A	G01-MW-03-0504	Mod. RSK-175
01AA	G01-MW-03-0504 Duplicate	Mod. RSK-175
02A	G01-MW-10-0504	Mod. RSK-175
03A	G01-MW-12-0504	Mod. RSK-175
04A	Lab Blank	Mod. RSK-175
05A	LCS	Mod. RSK-175

CERTIFIED BY: Linda S. Freeman

Laboratory Director

DATE: 06/07/04

Certfication numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified RSK 175
Katahdin Laboratory
Workorder# 0405424A

Three VOA Vial-40 mL samples were received on May 25, 2004. The laboratory performed analysis via Modified RSK 175 for Methane using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Autosampler equipped with oven, shaker and 1 mL sample loop. Sample is incubated and then equilibrated at 40°C for 15 minutes with high agitation. Finally, a direct injection of the headspace is performed. See the data sheets for the reporting limits for each compound.

Requirement	*RSK 175*	*ATL Modifications*
Sample Collection	Collect sample in 60 mL crimp-top vial.	Collect sample in 40 mL VOA vial.
Headspace Generation	Headspace is generated in 60 mL sample vial by displacing volume of liquid with Helium. The amount of liquid should be 10% of sample volume in bottle, up to 10 mL.	5.0 mL of sample is displaced with 5.0 mL Nitrogen and transferred to a Nitrogen purged and capped autosampler vial. Headspace is then generated in the autosampler vial.
Sample Preparation	Sample is shaken 5 min. to equilibrate analyte between headspace and liquid phase.	Prior to injection, autosampler shakes sample for 15 min. while heating to 40°C.
Headspace Injection	Syringe injection of 300 mL headspace into GC.	Autosampler pressurizes sample to fill 1.0 mL loop with headspace sample.
Calibration and Quantitation	Direct injections of gas phase standards are used to obtain a Calibration Curve. Henry's Law is used to calculate mg of gas per Liter of water. Calculation requires recording total volume of serum bottle and headspace, and sample temperature.	Calibration standards are prepared by addition of a gaseous spike solution to clean water. Response factors are calculated for each level of a multi point calibration, and the mean is used to calculate quantitation for each target analyte.
Initial Calibration Curve (ICAL)	Linear regression	% RSD <= 30%, use average RF to quantify results
Lab Blanks	Blank subtraction is performed.	No blank subtraction; Lab Blank must be less than the Reporting Limit.
Specified Detectors	FID or ECD	FID or TCD

Receiving Notes

NELAC Chapter 5 specifies that a legal Chain of Custody must accompany samples when they arrive at the laboratory. In this case a chain of custody was not received with the samples. The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Water samples G01-MW-10-0504 and G01-MW-12-0504 were received with a significant amount of

headspace. (i.e., the diameter of the bubble was greater than 5 mm). The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
G01-MW-03-0504	0405424A-01A	5/20/2004	5/25/2004	NA	8	5/28/2004	NA	Good
G01-MW-03-0504 Dupli	0405424A-01AA	5/20/2004	5/25/2004	NA	8	5/28/2004	NA	Good
G01-MW-10-0504	0405424A-02A	5/20/2004	5/25/2004	NA	8	5/28/2004	NA	Good
G01-MW-12-0504	0405424A-03A	5/20/2004	5/25/2004	NA	8	5/28/2004	NA	Good
Lab Blank	0405424A-04A	NA	NA	NA	NA	5/28/2004	NA	Good
LCS	0405424A-05A	NA	NA	NA	NA	5/28/2004	NA	Good

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0405424A-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052804	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/28/04 08:45 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected

Container Type: NA - Not Applicable

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 7052819.d & 7052818.d

Lab Sample ID: 01A & 01AA

Dilution: 1.00 & 1.00

Client Sample ID: &

Date Analyzed: 5/28/04 & 5/28/04

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
74-82-8	Methane	0.6918		0.7382		6.5

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/16Jul2003.b/38100411m5a.m
Cal Date : 17-Jul-2003 10:52 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742211	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620400	15.365

Data File: /chem/gc7.i/28May2004.b/7052801.d
Report Date: 28-May-2004 07:49

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i Injection Date: 28-MAY-2004 07:11
Lab File ID: 7052801.d Init. Cal. Date(s): 11-APR-2003 11-APR-2003
Analysis Type: AIR Init. Cal. Times: 11:42 14:02
Lab Sample ID: 1068-2Q-01 Quant Type: ESTD
Method: /chem/gc7.i/28May2004.b/38100411m5a.m

COMPOUND	RRF / AMOUNT	RF0.000	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	22183665	0.100	-14.76493	30.00000	Averaged
2 Ethylene	19981673	23620614	0.010	-18.21140	30.00000	Averaged
3 Ethane	19495021	22416703	0.010	-14.98681	30.00000	Averaged

Data File: /chem/gc7.i/28May2004.b/7052823.d
Report Date: 28-May-2004 16:21

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: 1068-2Q-02
Level: LOW
Data Type: GC DATA
SpikeList File: 1-3ccv.spk
Sublist File: 1-3.sub
Method File: /chem/gc7.i/28May2004.b/38100411m5a.m
Misc Info:

Client SDG: 28May2004
Fraction: VOA
Client Smp ID: CCV
Operator: ACT
SampleType: METHSPIKE
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	1.330	1.466	110.20	70-130
2 Ethylene	2.305	2.573	111.62	70-130
3 Ethane	2.494	2.693	107.97	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0405424B

Work Order Summary

CLIENT:	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092	**BILL TO:**	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092
PHONE:	207-874-2400	**P.O. #**	
FAX:	207-775-4029	**PROJECT #**	WU1519 Keywest
DATE RECEIVED:	5/25/2004	**CONTACT:**	Betty Chu
DATE COMPLETED:	6/1/2004		

FRACTION #	NAME	TEST
04A	RR-MW-06-0504	Mod. RSK-175
04AMS	RR-MW-06-0504 MS	Mod. RSK-175
04AMSD	RR-MW-06-0504 MSD	Mod. RSK-175
05A	A824-MW-01-0504	Mod. RSK-175
06A	A824-MW-02-0504	Mod. RSK-175
07A	A824-MW-03-0504	Mod. RSK-175
08A	KW-DUP-03-0504	Mod. RSK-175
09A	Lab Blank	Mod. RSK-175
10A	LCS	Mod. RSK-175

CERTIFIED BY: Linda L. Freeman

Laboratory Director

DATE: 06/07/04

Certfication numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified RSK 175
Katahdin Laboratory
Workorder# 0405424B

Five VOA Vial-40 mL samples were received on May 25, 2004. The laboratory performed analysis via Modified RSK 175 for Methane using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Autosampler equipped with oven, shaker and 1 mL sample loop. Sample is incubated and then equilibrated at 40°C for 15 minutes with high agitation. Finally, a direct injection of the headspace is performed. See the data sheets for the reporting limits for each compound.

Requirement	*RSK 175*	*ATL Modifications*
Sample Collection	Collect sample in 60 mL crimp-top vial.	Collect sample in 40 mL VOA vial.
Headspace Generation	Headspace is generated in 60 mL sample vial by displacing volume of liquid with Helium. The amount of liquid should be 10% of sample volume in bottle, up to 10 mL.	5.0 mL of sample is displaced with 5.0 mL Nitrogen and transferred to a Nitrogen purged and capped autosampler vial. Headspace is then generated in the autosampler vial.
Sample Preparation	Sample is shaken 5 min. to equilibrate analyte between headspace and liquid phase.	Prior to injection, autosampler shakes sample for 15 min. while heating to 40°C.
Headspace Injection	Syringe injection of 300 mL headspace into GC.	Autosampler pressurizes sample to fill 1.0 mL loop with headspace sample.
Calibration and Quantitation	Direct injections of gas phase standards are used to obtain a Calibration Curve. Henry's Law is used to calculate mg of gas per Liter of water. Calculation requires recording total volume of serum bottle and headspace, and sample temperature.	Calibration standards are prepared by addition of a gaseous spike solution to clean water. Response factors are calculated for each level of a multi point calibration, and the mean is used to calculate quantitation for each target analyte.
Initial Calibration Curve (ICAL)	Linear regression	% RSD <= 30%, use average RF to quantify results
Lab Blanks	Blank subtraction is performed.	No blank subtraction; Lab Blank must be less than the Reporting Limit.
Specified Detectors	FID or ECD	FID or TCD

Receiving Notes

Water samples RR-MW-06-0504 MS, RR-MW-06-0504 MSD and A824-MW-02-0504 were received with a significant amount of headspace. (i.e., the diameter of the bubble was greater than 5 mm). The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
RR-MW-06-0504	0405424B-04A	5/21/2004	5/25/2004	NA	7	5/28/2004	NA	Good
RR-MW-06-0504 MS	0405424B-04AM	5/21/2004	NA	NA	7	5/28/2004	NA	Good
RR-MW-06-0504 MSD	0405424B-04AM	5/21/2004	NA	NA	7	5/28/2004	NA	Good
A824-MW-01-0504	0405424B-05A	5/21/2004	5/25/2004	NA	7	5/28/2004	NA	Good
A824-MW-02-0504	0405424B-06A	5/21/2004	5/25/2004	NA	7	5/28/2004	NA	Good
A824-MW-03-0504	0405424B-07A	5/21/2004	5/25/2004	NA	7	5/28/2004	NA	Good
KW-DUP-03-0504	0405424B-08A	5/21/2004	5/25/2004	NA	7	5/28/2004	NA	Good
Lab Blank	0405424B-09A	NA	NA	NA	NA	5/28/2004	NA	Good
LCS	0405424B-10A	NA	NA	NA	NA	5/28/2004	NA	Good

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0405424B-09A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7052804	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	5/28/04 08:45 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected

Container Type: NA - Not Applicable

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 7052812.d & 7052813.d

Lab Sample ID: &

Dilution: 1.00 & 1.00

Client Sample ID: &

Date Analyzed: 5/28/04 & 5/28/04

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
74-82-8	Methane	127		125		1.6

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/16Jul2003.b/38100411m5a.m
Cal Date : 17-Jul-2003 10:52 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	___ RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742211	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620400	15.365

Data File: /chem/gc7.i/28May2004.b/7052801.d
Report Date: 28-May-2004 07:49

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Lab File ID: 7052801.d
Analysis Type: AIR
Lab Sample ID: 1068-2Q-01
Method: /chem/gc7.i/28May2004.b/38100411m5a.m

Injection Date: 28-MAY-2004 07:11
Init. Cal. Date(s): 11-APR-2003 11-APR-2003
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.000	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	22183665	0.100	-14.76493	30.00000	Averaged
2 Ethylene	19981673	23620614	0.010	-18.21140	30.00000	Averaged
3 Ethane	19495021	22416703	0.010	-14.98681	30.00000	Averaged

Data File: /chem/gc7.i/28May2004.b/7052823.d
Report Date: 28-May-2004 16:21

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: 1068-2Q-02
Level: LOW
Data Type: GC DATA
SpikeList File: 1-3ccv.spk
Sublist File: 1-3.sub
Method File: /chem/gc7.i/28May2004.b/38100411m5a.m
Misc Info:

Client SDG: 28May2004
Fraction: VOA
Client Smp ID: CCV
Operator: ACT
SampleType: METHSPIKE
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	1.330	1.466	110.20	70-130
2 Ethylene	2.305	2.573	111.62	70-130
3 Ethane	2.494	2.693	107.97	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0405496

Work Order Summary

CLIENT:	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092	**BILL TO:**	Ms. Andrea Colby Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092
PHONE:	207-874-2400	**P.O. #**	
FAX:	207-775-4029	**PROJECT #**	WU1529 TT NUS/Key West
DATE RECEIVED:	5/28/2004	**CONTACT:**	Betty Chu
DATE COMPLETED:	6/10/2004		

FRACTION #	NAME	TEST
01A	G01-MW02-0504	Mod. RSK-175
02A	G01-MW04-0504	Mod. RSK-175
03A	G01-MW05-0504	Mod. RSK-175
04A	G01-MW11-0504	Mod. RSK-175
05A	Lab Blank	Mod. RSK-175
06A	LCS	Mod. RSK-175

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 06/10/04

Certfication numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/04, Expiration date: 06/30/05
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
G01-MW02-0504	0405496-01A	5/24/2004	5/28/2004	NA	8	6/ 1/2004	NA	Good
G01-MW04-0504	0405496-02A	5/24/2004	5/28/2004	NA	8	6/ 1/2004	NA	Good
G01-MW05-0504	0405496-03A	5/24/2004	5/28/2004	NA	8	6/ 1/2004	NA	Good
G01-MW11-0504	0405496-04A	5/24/2004	5/28/2004	NA	8	6/ 1/2004	NA	Good
Lab Blank	0405496-05A	NA	NA	NA	NA	6/ 1/2004	NA	Good
LCS	0405496-06A	NA	NA	NA	NA	6/ 1/2004	NA	Good

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0405496-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7060103	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	6/1/04 08:01 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	Not Detected

Container Type: NA - Not Applicable

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 11-APR-2003 11:42
End Cal Date : 11-APR-2003 14:02
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/gc7.i/16Jul2003.b/38100411m5a.m
Cal Date : 17-Jul-2003 10:52 atoyama
Curve Type : Average

Calibration File Names:
Level 1: /chem/gc7.i/11Apr2003.b/7041103.d
Level 2: /chem/gc7.i/11Apr2003.b/7041104.d
Level 3: /chem/gc7.i/11Apr2003.b/7041105.d
Level 4: /chem/gc7.i/11Apr2003.b/7041106.d
Level 5: /chem/gc7.i/11Apr2003.b/7041107.d
Level 6: /chem/gc7.i/11Apr2003.b/7041108.d

Compound	0.00500 Level 1	0.02700 Level 2	0.06700 Level 3	1.330 Level 4	6.651 Level 5	133.028 Level 6	RRF	% RSD
1 Methane	23473600	20391519	18145642	19641331	15588518	18737320	19329655	13.519
2 Ethylene	22286222	21228170	19317603	20626919	16449448	+++++	19981673	11.246
3 Ethane	23052444	20508100	18422992	19735760	15755809	+++++	19495021	13.781
4 Propene	23241100	22213288	19741557	20499315	15275004	23483000	20742211	14.761
5 Propane	24163100	21716018	19656431	20275345	15092413	22819091	20620400	15.365

Data File: /chem/gc7.i/01Jun2004.b/7060101.d
Report Date: 01-Jun-2004 07:35

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Lab File ID: 7060101.d
Analysis Type: AIR
Lab Sample ID: 1068-2R-01
Method: /chem/gc7.i/01Jun2004.b/38100411m5a.m

Injection Date: 01-JUN-2004 07:18
Init. Cal. Date(s): 11-APR-2003 11-APR-2003
Init. Cal. Times: 11:42 14:02
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.000	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Methane	19329655	21678629	0.100	-12.15218	30.00000	Averaged
2 Ethylene	19981673	23080564	0.010	-15.50867	30.00000	Averaged
3 Ethane	19495021	21909995	0.010	-12.38764	30.00000	Averaged

Data File: /chem/gc7.i/01Jun2004.b/7060122.d
Report Date: 01-Jun-2004 15:14

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: 1068-2R-02
Level: LOW
Data Type: GC DATA
SpikeList File: 1-3ccv.spk
Sublist File: 1-3.sub
Method File: /chem/gc7.i/01Jun2004.b/38100411m5a.m
Misc Info:

Client SDG: 01Jun2004
Fraction: VOA
Client Smp ID: CCV
Operator: ACT
SampleType: METHSPIKE
Quant Type: ESTD

SPIKE COMPOUND	CONC ADDED ug/mL	CONC RECOVERED ug/mL	% RECOVERED	LIMITS
1 Methane	1.330	1.449	108.98	70-130
2 Ethylene	2.305	2.563	111.20	70-130
3 Ethane	2.494	2.686	107.72	70-130

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG7760-LCSD	WG7760-3	72	87	92						0
02	WG7760-BLANK	WG7760-1RA	91	86	155*						1
03	WG7760-LCS	WG7760-2RA	87	108	120						0
04	B01-MW-01-0504	WU1503-1	94	57	105						0
05	B01-MW-03-0504	WU1503-2	79	50	77						0
06	G01-MW-03-0504	WU1503-3	37	24*	33						1
07	G01-MW-10-0504	WU1503-4	33	41	34						0
08	G01-MW-12-0504	WU1503-5	51	51	55						0
09	A824-MW-01-0504	WU1519-2	77	80	79						0
10	RR-MW-06-0504	WU1519-1RA	56	53	50						0
11	A824-MW-02-0504	WU1519-3	76	65	46						0
12	A824-MW-03-0504	WU1519-4	88	37	60						0
13	KW-DUP-03-0504	WU1519-5	80	83	107						0
14	FC-MW-05-0504	WU1529-1	78	48	136						0
15	FC-MW-06-0504	WU1529-2	89	69	86						0
16	FC-MW-22-0504	WU1529-3	79	84	112						0
17	KW-DUP-01-0504	WU1529-4	85	108	119						0
18	G01-MW02-0504	WU1529-5	43	30	56						0
19	G01-MW04-0504	WU1529-6	45	52	52						0
20	G01-MW05-0504	WU1529-7	75	79	67						0
21	G01-MW11-0504	WU1529-8	68	80	71						0
22	G01-MW-12-0504	WU1503-5DL2	D	D	D						0
23	WG7768-BLANK	WG7768-1	61	86	90						0
24	WG7768-LCS	WG7768-2	73	57	68						0
25	WG7805-LCS	WG7805-2	81	55	106						0
26	WG7805-LCSD	WG7805-3	58	51	122						0
27	G01-MW-10-0504	WU1503-4DL2	36	43	32						0
28	FC-MW-22-0504	WU1529-3DL2	D	D	D						0

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	KW-DUP-01-0504	WU1529-4DL2	D	D	D						0
02	G01-MW05-0504	WU1529-7DL2	D	D	D						0
03	G01-MW11-0504	WU1529-8DL2	D	D	D						0
04	WG7805-BLANK	WG7805-1RA	28*	50	32						1
05	RR-MW-06-0504MS	WG7768-3RA	54	56	36						0
06	RR-MW-06-0504MSD	WG7768-4RA	44	49	33						0
07											
08											
09											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(30-150)
S2	= Fluorene-d10	(30-150)
S3	= Pyrene-d10	(30-150)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7760-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: X5454 Lab Sample ID: WG7760-1RA

Instrument ID: GCMS-X Date Extracted: 05/24/04

Matrix: (soil/water) WATER Date Analyzed: 06/03/04

Level:(low/med) LOW Time Analyzed: 1832

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7760-LCSD	WG7760-3	X5436	06/02/04	1721
02	WG7760-LCS	WG7760-2RA	X5455	06/03/04	1916
03	B01-MW-01-0504	WU1503-1	X5471	06/15/04	2258
04	B01-MW-03-0504	WU1503-2	X5472	06/15/04	2343
05	G01-MW-03-0504	WU1503-3	X5473	06/16/04	0027
06	G01-MW-10-0504	WU1503-4	X5474	06/16/04	0112
07	G01-MW-12-0504	WU1503-5	X5475	06/16/04	0156
08	G01-MW-12-0504	WU1503-5DL2	X5496	06/17/04	1519
09	G01-MW-10-0504	WU1503-4DL2	X5510	06/18/04	1309
10					
11					
12					
13					
14					
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30					

COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7768-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: X5501 Lab Sample ID: WG7768-1

Instrument ID: GCMS-X Date Extracted: 05/25/04

Matrix: (soil/water) WATER Date Analyzed: 06/17/04

Level:(low/med) LOW Time Analyzed: 1903

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	A824-MW-01-0504	WU1519-2	X5477	06/16/04	0325
02	RR-MW-06-0504	WU1519-1RA	X5479	06/16/04	1255
03	A824-MW-02-0504	WU1519-3	X5480	06/16/04	1340
04	A824-MW-03-0504	WU1519-4	X5481	06/16/04	1424
05	KW-DUP-03-0504	WU1519-5	X5482	06/16/04	1509
06	WG7768-LCS	WG7768-2	X5502	06/17/04	1947
07	RR-MW-06-0504MS	WG7768-3RA	X5516	06/18/04	1737
08	RR-MW-06-0504MSD	WG7768-4RA	X5517	06/18/04	1821
09					
10					
11					
12					
13					
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27					
28					
29					
30					

COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7805-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: X5515 Lab Sample ID: WG7805-1RA

Instrument ID: GCMS-X Date Extracted: 05/26/04

Matrix: (soil/water) WATER Date Analyzed: 06/18/04

Level:(low/med) LOW Time Analyzed: 1652

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	FC-MW-05-0504	WU1529-1	X5483	06/16/04	1554
02	FC-MW-06-0504	WU1529-2	X5484	06/16/04	1639
03	FC-MW-22-0504	WU1529-3	X5485	06/16/04	1724
04	KW-DUP-01-0504	WU1529-4	X5486	06/16/04	1809
05	G01-MW02-0504	WU1529-5	X5487	06/16/04	1854
06	G01-MW04-0504	WU1529-6	X5488	06/16/04	1938
07	G01-MW05-0504	WU1529-7	X5489	06/16/04	2022
08	G01-MW11-0504	WU1529-8	X5490	06/16/04	2106
09	WG7805-LCS	WG7805-2	X5506	06/17/04	2245
10	WG7805-LCSD	WG7805-3	X5507	06/17/04	2330
11	FC-MW-22-0504	WU1529-3DL2	X5511	06/18/04	1354
12	KW-DUP-01-0504	WU1529-4DL2	X5512	06/18/04	1439
13	G01-MW05-0504	WU1529-7DL2	X5513	06/18/04	1524
14	G01-MW11-0504	WU1529-8DL2	X5514	06/18/04	1608
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 05/24/04
Analysis Date: 06/03/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7760-1RA
Client ID: WG7760-Blank
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7760
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		91%				
81103-79-9	Fluorene-d10		86%				
1718-52-1	Pyrene-d10		*155%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 05/25/04
Analysis Date: 06/17/04
Report Date: 06/24/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7768-1
Client ID: WG7768-Blank
SDG: CTO301318-1
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7768
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		61%				
81103-79-9	Fluorene-d10		86%				
1718-52-1	Pyrene-d10		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 05/26/04
Analysis Date: 06/18/04
Report Date: 06/23/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7805-1RA
Client ID: WG7805-Blank
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG7805
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.20	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.080
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.060
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.080
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.080
206-44-0	Fluoranthene	U	0.20	1.0	0.20	0.20	0.11
129-00-0	Pyrene	U	0.20	1.0	0.20	0.20	0.090
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.12
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.090
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.090
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.15
191-24-2	Benzo(g,h,i)perylene	U	0.20	1.0	0.20	0.20	0.080
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.080
7297-45-2	2-Methylnaphthalene-d10		* 28%				
81103-79-9	Fluorene-d10		50%				
1718-52-1	Pyrene-d10		32%				

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD270 DFTPP Injection Date: 05/27/04

Instrument ID: GCMS-X DFTPP Injection Time: 1036

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	55.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.7
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	40.3
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	6.7
275	10.0 - 30.0% of mass 198	20.3
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	6.7 (43.7)2
442	40.0 - 100.0% of mass 198	75.3
443	17.0 - 23.0% of mass 442	15.2 (20.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0527	X5395	05/27/04	1106
02		SSTD3.00X0527	X5396	05/27/04	1150
03		SSTD2.00X0527	X5397	05/27/04	1235
04		SSTD0.50X0527	X5398	05/27/04	1320
05		SSTD0.20X0527	X5400	05/27/04	1456
06					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD272 DFTPP Injection Date: 06/02/04

Instrument ID: GCMS-X DFTPP Injection Time: 1318

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	74.7
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	40.4
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	6.5
275	10.0 - 30.0% of mass 198	23.4
365	1.0 - 100.0% of mass 198	3.0
441	0.0 - 100.0% of mass 443	15.1 (80.2)2
442	40.0 - 100.0% of mass 198	90.6
443	17.0 - 23.0% of mass 442	18.8 (20.7)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0602	X5433	06/02/04	1345
02	WG7760-LCSD	WG7760-3	X5436	06/02/04	1721
03					
04					
05					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD273 DFTPP Injection Date: 06/03/04

Instrument ID: GCMS-X DFTPP Injection Time: 1334

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	66.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	41.9
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	6.8
275	10.0 - 30.0% of mass 198	22.9
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	14.2 (86.0)2
442	40.0 - 100.0% of mass 198	89.1
443	17.0 - 23.0% of mass 442	16.5 (18.5)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0603	X5449	06/03/04	1448
02		SSTD3.00X0603	X5450	06/03/04	1534
03		SSTD2.00X0603	X5451	06/03/04	1618
04		SSTD0.50X0603	X5452	06/03/04	1703
05		SSTD0.20X0603	X5453	06/03/04	1747
06	WG7760-BLANK	WG7760-1RA	X5454	06/03/04	1832
07	WG7760-LCS	WG7760-2RA	X5455	06/03/04	1916
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD278 DFTPP Injection Date: 06/15/04

Instrument ID: GCMS-X DFTPP Injection Time: 1632

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	70.6
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	42.3
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	6.6
275	10.0 - 30.0% of mass 198	22.0
365	1.0 - 100.0% of mass 198	2.4
441	0.0 - 100.0% of mass 443	12.7 (89.9)2
442	40.0 - 100.0% of mass 198	76.5
443	17.0 - 23.0% of mass 442	14.1 (18.4)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0615	X5463	06/15/04	1652
02		SSTD3.00X0615	X5464	06/15/04	1747
03		SSTD2.00X0615	X5465	06/15/04	1832
04		SSTD0.50X0615	X5466	06/15/04	1916
05		SSTD0.20X0615	X5467	06/15/04	2001
06	B01-MW-01-0504	WU1503-1	X5471	06/15/04	2258
07	B01-MW-03-0504	WU1503-2	X5472	06/15/04	2343
08	G01-MW-03-0504	WU1503-3	X5473	06/16/04	0027
09	G01-MW-10-0504	WU1503-4	X5474	06/16/04	0112
10	G01-MW-12-0504	WU1503-5	X5475	06/16/04	0156
11	A824-MW-01-0504	WU1519-2	X5477	06/16/04	0325
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD279 DFTPP Injection Date: 06/16/04

Instrument ID: GCMS-X DFTPP Injection Time: 1141

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	58.6
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Less than 100.0% of mass 198	67.3
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% 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	6.5
275	10.0 - 30.0% of mass 198	21.4
365	1.0 - 100.0% of mass 198	2.4
441	0.0 - 100.0% of mass 443	13.0 (89.5)2
442	40.0 - 100.0% of mass 198	78.1
443	17.0 - 23.0% of mass 442	14.5 (18.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0616	X5478	06/16/04	1203
02	RR-MW-06-0504	WU1519-1RA	X5479	06/16/04	1255
03	A824-MW-02-0504	WU1519-3	X5480	06/16/04	1340
04	A824-MW-03-0504	WU1519-4	X5481	06/16/04	1424
05	KW-DUP-03-0504	WU1519-5	X5482	06/16/04	1509
06	FC-MW-05-0504	WU1529-1	X5483	06/16/04	1554
07	FC-MW-06-0504	WU1529-2	X5484	06/16/04	1639
08	FC-MW-22-0504	WU1529-3	X5485	06/16/04	1724
09	KW-DUP-01-0504	WU1529-4	X5486	06/16/04	1809
10	G01-MW02-0504	WU1529-5	X5487	06/16/04	1854
11	G01-MW04-0504	WU1529-6	X5488	06/16/04	1938
12	G01-MW05-0504	WU1529-7	X5489	06/16/04	2022
13	G01-MW11-0504	WU1529-8	X5490	06/16/04	2106
14					
15					
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20					

FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD280 DFTPP Injection Date: 06/17/04

Instrument ID: GCMS-X DFTPP Injection Time: 1316

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	68.3
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	43.1
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	6.3
275	10.0 - 30.0% of mass 198	21.2
365	1.0 - 100.0% of mass 198	2.0
441	0.0 - 100.0% of mass 443	11.4 (88.3)2
442	40.0 - 100.0% of mass 198	69.2
443	17.0 - 23.0% of mass 442	13.0 (18.7)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0617	X5494	06/17/04	1349
02	G01-MW-12-0504	WU1503-5DL2	X5496	06/17/04	1519
03	WG7768-BLANK	WG7768-1	X5501	06/17/04	1903
04	WG7768-LCS	WG7768-2	X5502	06/17/04	1947
05	WG7805-LCS	WG7805-2	X5506	06/17/04	2245
06	WG7805-LCSD	WG7805-3	X5507	06/17/04	2330
07					
08					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: XD281 DFTPP Injection Date: 06/18/04

Instrument ID: GCMS-X DFTPP Injection Time: 1154

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	57.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	66.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	42.7
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	6.3
275	10.0 - 30.0% of mass 198	20.6
365	1.0 - 100.0% of mass 198	2.6
441	0.0 - 100.0% of mass 443	11.0 (82.5)2
442	40.0 - 100.0% of mass 198	69.5
443	17.0 - 23.0% of mass 442	13.4 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00X0618	X5509	06/18/04	1219
02	G01-MW-10-0504	WU1503-4DL2	X5510	06/18/04	1309
03	FC-MW-22-0504	WU1529-3DL2	X5511	06/18/04	1354
04	KW-DUP-01-0504	WU1529-4DL2	X5512	06/18/04	1439
05	G01-MW05-0504	WU1529-7DL2	X5513	06/18/04	1524
06	G01-MW11-0504	WU1529-8DL2	X5514	06/18/04	1608
07	WG7805-BLANK	WG7805-1RA	X5515	06/18/04	1652
08	RR-MW-06-0504MS	WG7768-3RA	X5516	06/18/04	1737
09	RR-MW-06-0504MSD	WG7768-4RA	X5517	06/18/04	1821
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FORM V SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5433 Date Analyzed: 06/02/04

Instrument ID: GCMS-X Time Analyzed: 1345

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		23658	7.58	88977	10.41	45309	14.50
UPPER LIMIT		47316	8.08	177954	10.91	90618	15.00
LOWER LIMIT		11829	7.08	44489	9.91	22655	14.00
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG7760-LCSD	WG7760-3	23660	7.58	83315	10.41	40522	14.51
02							
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IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5433 Date Analyzed: 06/02/04

Instrument ID: GCMS-X Time Analyzed: 1345

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		66995	17.88	41663	24.10	21999	27.21
UPPER LIMIT		133990	18.38	83326	24.60	43998	27.71
LOWER LIMIT		33498	17.38	20832	23.60	11000	26.71
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG7760-LCSD	WG7760-3	72146	17.88	56932	24.11	28446	27.21
02							
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IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5449 Date Analyzed: 06/03/04

Instrument ID: GCMS-X Time Analyzed: 1448

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		20605	7.54	75989	10.36	37217	14.45
UPPER LIMIT		41210	8.04	151978	10.86	74434	14.95
LOWER LIMIT		10303	7.04	37995	9.86	18609	13.95
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG7760-BLANK	WG7760-1RA	17764	7.54	64698	10.36	39189	14.45
02 WG7760-LCS	WG7760-2RA	17999	7.54	66042	10.36	29720	14.45
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IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5449 Date Analyzed: 06/03/04

Instrument ID: GCMS-X Time Analyzed: 1448

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		53810	17.82	52502	24.05	47246	27.15
UPPER LIMIT		107620	18.32	105004	24.55	94492	27.65
LOWER LIMIT		26905	17.32	26251	23.55	23623	26.65
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG7760-BLANK	WG7760-1RA	49374	17.82	33630	24.06	27327	27.15
02 WG7760-LCS	WG7760-2RA	46691	17.82	41156	24.05	28546	27.15
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IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5463 Date Analyzed: 06/15/04

Instrument ID: GCMS-X Time Analyzed: 1652

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		12631	7.54	40459	10.37	19258	14.45
UPPER LIMIT		25262	8.04	80918	10.87	38516	14.95
LOWER LIMIT		6316	7.04	20230	9.87	9629	13.95
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 B01-MW-01-0504	WU1503-1	12549	7.54	35588	10.37	26236	14.45
02 B01-MW-03-0504	WU1503-2	11540	7.54	32987	10.37	24734	14.45
03 G01-MW-03-0504	WU1503-3	12526	7.53	43795	10.36	23413	14.45
04 G01-MW-10-0504	WU1503-4	10882	7.53	31788	10.36	17203	14.45
05 G01-MW-12-0504	WU1503-5	12517	7.53	36660	10.36	17317	14.45
06 A824-MW-01-0504	WU1519-2	13301	7.53	39006	10.36	20180	14.45
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IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5463 Date Analyzed: 06/15/04

Instrument ID: GCMS-X Time Analyzed: 1652

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		23921	17.85	12666	24.06	6940	27.16
UPPER LIMIT		47842	18.35	25332	24.56	13880	27.66
LOWER LIMIT		11961	17.35	6333	23.56	3470	26.66
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	B01-MW-01-0504	WU1503-1	21823	17.85	9377	24.07	4477	27.16
02	B01-MW-03-0504	WU1503-2	18973	17.85	10666	24.07	3924	27.16
03	G01-MW-03-0504	WU1503-3	26395	17.85	10478	24.06	4539	27.17
04	G01-MW-10-0504	WU1503-4	22892	17.82	12900	24.06	4625	27.17
05	G01-MW-12-0504	WU1503-5	22883	17.85	9552	24.06	3545	27.17
06	A824-MW-01-0504	WU1519-2	29125	17.85	13079	24.06	4421	27.17
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IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5478 Date Analyzed: 06/16/04

Instrument ID: GCMS-X Time Analyzed: 1203

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	11267	7.53	39128	10.36	25035	14.45
UPPER LIMIT	22534	8.03	78256	10.86	50070	14.95
LOWER LIMIT	5634	7.03	19564	9.86	12518	13.95

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	RR-MW-06-0504	WU1519-1RA	11097	7.54	35109	10.36	16793	14.45
02	A824-MW-02-0504	WU1519-3	11385	7.53	36734	10.36	14777	14.45
03	A824-MW-03-0504	WU1519-4	9781	7.53	28710	10.36	22319	14.45
04	KW-DUP-03-0504	WU1519-5	11118	7.54	34511	10.36	16387	14.45
05	FC-MW-05-0504	WU1529-1	12135	7.53	37022	10.36	26932	14.45
06	FC-MW-06-0504	WU1529-2	13164	7.53	37067	10.36	19459	14.45
07	FC-MW-22-0504	WU1529-3	13375	7.53	39755	10.36	18527	14.45
08	KW-DUP-01-0504	WU1529-4	14282	7.53	47616	10.37	20518	14.45
09	G01-MW02-0504	WU1529-5	12640	7.54	35334	10.36	27530	14.45
10	G01-MW04-0504	WU1529-6	11999	7.53	37146	10.36	18907	14.45
11	G01-MW05-0504	WU1529-7	13594	7.53	33279	10.35	15726	14.45
12	G01-MW11-0504	WU1529-8	13877	7.53	41693	10.36	19800	14.45
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IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5478 Date Analyzed: 06/16/04

Instrument ID: GCMS-X Time Analyzed: 1203

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		19698	17.85	8966	24.06	3797	27.17
UPPER LIMIT		39396	18.35	17932	24.56	7594	27.67
LOWER LIMIT		9849	17.35	4483	23.56	1899	26.67
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	RR-MW-06-0504	WU1519-1RA	18984	17.85	9485	24.07	2363	27.17
02	A824-MW-02-0504	WU1519-3	19804	17.85	11607	24.07	4300	27.17
03	A824-MW-03-0504	WU1519-4	16086	17.85	9110	24.07	2167	27.18
04	KW-DUP-03-0504	WU1519-5	23544	17.85	10904	24.07	3844	27.17
05	FC-MW-05-0504	WU1529-1	24589	17.85	9217	24.07	3666	27.18
06	FC-MW-06-0504	WU1529-2	25577	17.85	13842	24.07	3979	27.17
07	FC-MW-22-0504	WU1529-3	24008	17.85	10258	24.06	4824	27.17
08	KW-DUP-01-0504	WU1529-4	26027	17.85	11368	24.06	4912	27.16
09	G01-MW02-0504	WU1529-5	23373	17.85	10707	24.07	4790	27.18
10	G01-MW04-0504	WU1529-6	29209	17.82	13836	24.06	4505	27.17
11	G01-MW05-0504	WU1529-7	23123	17.82	13424	24.06	4169	27.17
12	G01-MW11-0504	WU1529-8	24346	17.82	13563	24.06	4138	27.17
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IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5494 Date Analyzed: 06/17/04

Instrument ID: GCMS-X Time Analyzed: 1349

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		12735	7.54	40579	10.36	24754	14.45
UPPER LIMIT		25470	8.04	81158	10.86	49508	14.95
LOWER LIMIT		6368	7.04	20290	9.86	12377	13.95
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	G01-MW-12-0504	WU1503-5DL2	10392	7.54	29801	10.36	14295	14.45
02	WG7768-BLANK	WG7768-1	12368	7.54	35283	10.37	14086	14.45
03	WG7768-LCS	WG7768-2	13571	7.54	35940	10.36	16970	14.45
04	WG7805-LCS	WG7805-2	12919	7.53	43897	10.36	26669	14.45
05	WG7805-LCSD	WG7805-3	10446	7.54	29701	10.37	15070	14.45
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IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5494 Date Analyzed: 06/17/04

Instrument ID: GCMS-X Time Analyzed: 1349

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		18979	17.85	7991	24.07	3491	27.18
UPPER LIMIT		37958	18.35	15982	24.57	6982	27.68
LOWER LIMIT		9490	17.35	3996	23.57	1746	26.68
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 G01-MW-12-0504	WU1503-5DL2	19189	17.85	8322	24.10	1753	27.19
02 WG7768-BLANK	WG7768-1	21639	17.85	11616	24.09	4008	27.19
03 WG7768-LCS	WG7768-2	18755	17.85	10131	24.07	2768	27.18
04 WG7805-LCS	WG7805-2	22967	17.85	9932	24.07	2619	27.18
05 WG7805-LCSD	WG7805-3	18047	17.85	6167	24.07	2349	27.19
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IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5509 Date Analyzed: 06/18/04

Instrument ID: GCMS-X Time Analyzed: 1219

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		14490	7.44	47317	10.27	19120	14.34
UPPER LIMIT		28980	7.94	94634	10.77	38240	14.84
LOWER LIMIT		7245	6.94	23659	9.77	9560	13.84
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	G01-MW-10-0504	WU1503-4DL2	12548	7.44	37625	10.27	19092	14.34
02	FC-MW-22-0504	WU1529-3DL2	11520	7.44	36011	10.27	17950	14.34
03	KW-DUP-01-0504	WU1529-4DL2	11840	7.44	33572	10.27	16162	14.34
04	G01-MW05-0504	WU1529-7DL2	11337	7.44	32448	10.27	15348	14.34
05	G01-MW11-0504	WU1529-8DL2	9836	7.44	27110	10.27	22622	14.34
06	WG7805-BLANK	WG7805-1RA	12983	7.44	38564	10.27	15548	14.34
07	RR-MW-06-0504MS	WG7768-3RA	14224	7.44	41090	10.26	17115	14.34
08	RR-MW-06-0504MSD	WG7768-4RA	15531	7.44	51041	10.27	20585	14.34
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IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID (Standard): X5509 Date Analyzed: 06/18/04

Instrument ID: GCMS-X Time Analyzed: 1219

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	23528	17.72	19648	23.94	10922	27.03
UPPER LIMIT	47056	18.22	39296	24.44	21844	27.53
LOWER LIMIT	11764	17.22	9824	23.44	5461	26.53

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	G01-MW-10-0504	WU1503-4DL2	25966	17.71	18892	23.94	10081	27.03
02	FC-MW-22-0504	WU1529-3DL2	18550	17.72	9240*	23.94	5329*	27.03
03	KW-DUP-01-0504	WU1529-4DL2	14864	17.72	11710	23.94	4685*	27.04
04	G01-MW05-0504	WU1529-7DL2	19974	17.72	13175	23.94	6184	27.03
05	G01-MW11-0504	WU1529-8DL2	15767	17.72	5412*	23.94	3279*	27.03
06	WG7805-BLANK	WG7805-1RA	17670	17.71	13182	23.94	6083	27.03
07	RR-MW-06-0504MS	WG7768-3RA	21018	17.72	17760	23.94	7856	27.03
08	RR-MW-06-0504MSD	WG7768-4RA	28023	17.71	21882	23.94	11940	27.03
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date(s): 05/27/04 05/27/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1106 1456

LAB FILE ID: RF0.2: X5400 RF0.5: X5398 RF1: X5395
RF2: X5397 RF3: X5396

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF3	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2	
Naphthalene	0.538	0.642	0.697	0.656	0.637	AVRG		0.63409812	9.201	15.000	
2-Methylnaphthalene	0.323	0.352	0.368	0.371	0.373	AVRG		0.35725725	5.797	15.000	
Acenaphthylene	0.526	0.565	0.356	0.567	0.549	AVRG		0.51265572	17.368	15.000	<-
Acenaphthene	0.613	0.746	0.813	0.802	0.920	AVRG		0.77884976	14.394	30.000	
Fluorene	3435	10015	31253	55099	73649	LINR	0.13465640	1.14975559	0.99509	0.99000	
Phenanthrene	0.645	0.734	0.758	0.804	0.798	AVRG		0.74794754	8.585	15.000	
Anthracene	4246	10908	31842	70114	97173	LINR	0.11927160	1.24893263	0.99583	0.99000	
Fluoranthene	0.540	0.507	0.471	0.605	0.595	AVRG		0.54363522	10.544	15.000	
Pyrene	0.927	1.026	1.332	1.119	1.048	AVRG		1.09052138	13.872	15.000	
Benzo(a)anthracene	0.324	0.307	0.395	0.364	0.403	AVRG		0.35861210	11.846	15.000	
Chrysene	0.875	1.174	1.120	0.842	0.831	AVRG		0.96836048	17.033	15.000	<-
Benzo(b)fluoranthene	0.522	0.435	0.595	0.515	0.592	AVRG		0.53200853	12.379	15.000	
Benzo(k)fluoranthene	1.220	0.922	1.303	1.256	1.337	AVRG		1.20756523	13.707	15.000	
Benzo(a)pyrene	1052	4328	18537	30825	43968	LINR	3.849e-002	1.32321095	0.99350	0.99000	
Indeno(1,2,3-cd)pyrene	0.831	0.365	0.401	0.354	0.432	AVRG		0.47662227	42.030	15.000	<-
Dibenzo(a,h)anthracene	0.522	0.411	0.581	0.545	0.644	AVRG		0.54064531	15.881	15.000	<-
Benzo(g,h,i)perylene	1943	4239	18750	33400	54539	LINR	0.10326700	1.09682586	0.99170	0.99000	
1-Methylnaphthalene	0.296	0.350	0.378	0.369	0.362	AVRG		0.35101150	9.210	15.000	
2-Methylnaphthalene-d10	0.262	0.268	0.279	0.266	0.283	AVRG		0.27159347	3.341	15.000	
Fluorene-d10	3681	10298	30602	51582	71903	LINR	0.12851820	1.19193689	0.99375	0.99000	
Pyrene-d10	0.615	0.715	0.914	0.799	0.758	AVRG		0.76040505	14.428	15.000	

Average %RSD test result.

Calculate Average %RSD: 16.17730713
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date(s): 06/03/04 06/03/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1448 1747

LAB FILE ID: RF0.2: X5453 RF0.5: X5452 RF1: X5449
RF2: X5451 RF3: X5450

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF3	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Naphthalene	0.669	0.773	0.696	0.684	0.703	AVRG		0.70502017	5.679	15.000	
2-Methylnaphthalene	0.379	0.384	0.385	0.399	0.429	AVRG		0.39550340	5.125	15.000	
Acenaphthylene	1.005	1.112	1.144	1.153	1.306	AVRG		1.14396432	9.428	15.000	
Acenaphthene	0.710	0.758	0.796	0.766	0.847	AVRG		0.77541379	6.524	30.000	
Fluorene	0.642	0.755	0.751	0.775	0.886	AVRG		0.76196138	11.371	15.000	
Phenanthrene	0.738	0.789	0.749	0.774	0.830	AVRG		0.77615235	4.690	15.000	
Anthracene	0.703	0.727	0.793	0.852	0.784	AVRG		0.77193243	7.622	15.000	
Fluoranthene	0.724	0.676	0.695	0.735	0.814	AVRG		0.72882637	7.319	15.000	
Pyrene	0.834	0.837	0.798	0.947	0.851	AVRG		0.85372802	6.539	15.000	
Benzo(a)anthracene	4753	11810	39977	62480	139610	LINR	9.459e-002	1.42320639	0.99790	0.99000	
Chrysene	0.939	0.951	0.828	0.849	0.800	AVRG		0.87358772	7.772	15.000	
Benzo(b)fluoranthene	4679	12182	43926	69339	155710	LINR	0.12447400	1.05733861	0.99594	0.99000	
Benzo(k)fluoranthene	1.138	1.230	0.934	1.222	1.085	AVRG		1.12201493	10.792	15.000	
Benzo(a)pyrene	4224	11321	38920	59455	141440	LINR	0.13181560	1.18068072	0.99556	0.99000	
Indeno(1,2,3-cd)pyrene	0.462	0.597	0.660	0.639	0.685	AVRG		0.60881098	14.487	15.000	
Dibenzo(a,h)anthracene	0.654	0.682	0.728	0.714	0.752	AVRG		0.70607302	5.461	15.000	
Benzo(g,h,i)perylene	0.824	0.881	0.897	0.857	0.807	AVRG		0.85336176	4.408	15.000	
1-Methylnaphthalene	0.348	0.374	0.373	0.385	0.412	AVRG		0.37842216	6.098	15.000	
2-Methylnaphthalene-d10	0.300	0.284	0.291	0.297	0.325	AVRG		0.29935635	5.201	15.000	
Fluorene-d10	0.658	0.694	0.754	0.777	0.962	AVRG		0.76899749	15.275	15.000	<-
Pyrene-d10	0.608	0.612	0.637	0.706	0.686	AVRG		0.64969572	6.808	15.000	

Average %RSD test result.

Calculate Average %RSD: 11.00811291
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date(s): 06/15/04 06/15/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1652 2001

LAB FILE ID: RF0.2: X5467 RF0.5: X5466 RF1: X5463
RF2: X5465 RF3: X5464

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF3	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2	
Naphthalene	0.875	0.903	0.767	0.799	0.800	AVRG	0.82900838	6.926	15.000	
2-Methylnaphthalene	0.389	0.464	0.423	0.417	0.443	AVRG	0.42731149	6.573	15.000	
Acenaphthylene	1.244	1.232	1.272	1.564	1.528	AVRG	1.36797005	11.951	15.000	
Acenaphthene	0.915	0.830	0.820	1.035	0.992	AVRG	0.91840620	10.367	30.000	
Fluorene	0.835	0.838	0.842	1.121	1.053	AVRG	0.93775281	14.783	15.000	
Phenanthrene	0.716	0.797	0.802	0.890	0.894	AVRG	0.81986027	9.091	15.000	
Anthracene	0.876	0.920	0.852	0.995	0.989	AVRG	0.92673284	6.980	15.000	
Fluoranthene	0.664	0.838	0.722	0.824	0.816	AVRG	0.77273098	9.870	15.000	
Pyrene	1.796	1.858	1.453	1.541	1.952	AVRG	1.72008170	12.386	15.000	
Benzo(a)anthracene	0.751	0.946	0.924	0.886	1.028	AVRG	0.90711359	11.197	15.000	
Chrysene	1.047	1.308	1.097	1.270	1.239	AVRG	1.19212945	9.550	15.000	
Benzo(b)fluoranthene	1.090	1.180	1.361	1.372	1.632	AVRG	1.32695753	15.724	15.000	<-
Benzo(k)fluoranthene	1.577	1.916	1.744	1.912	2.075	AVRG	1.84450529	10.305	15.000	
Benzo(a)pyrene	0.936	1.067	1.029	1.188	1.280	AVRG	1.09976062	12.292	30.000	
Indeno(1,2,3-cd)pyrene	0.940	0.782	0.648	0.733	0.679	AVRG	0.75611678	15.162	15.000	<-
Dibenzo(a,h)anthracene	0.821	0.490	0.579	0.736	0.649	AVRG	0.65520202	19.754	15.000	<-
Benzo(g,h,i)perylene	0.867	0.580	0.677	0.902	0.759	AVRG	0.75696308	17.568	15.000	<-
1-Methylnaphthalene	0.412	0.449	0.411	0.425	0.441	AVRG	0.42760457	3.984	15.000	
2-Methylnaphthalene-d10	0.283	0.304	0.264	0.272	0.308	AVRG	0.28604624	6.797	15.000	
Fluorene-d10	0.712	0.671	0.738	0.833	0.870	AVRG	0.76471426	10.973	15.000	
Pyrene-d10	1.348	1.223	0.993	0.998	1.271	AVRG	1.16669212	13.910	15.000	

Average %RSD test result.

Calculate Average %RSD: 11.49244118
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date: 06/02/04 Time: 1345

Lab File ID: X5433 Init. Calib. Date(s): 05/27/04 05/27/04

Init. Calib. Times: 1106 1456

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Naphthalene	0.6340000	0.6845600	0.6845600	0.01	7.97	100.00	AVRG
2-Methylnaphthalene	0.3570000	0.3959800	0.3959800	0.01	10.92	100.00	AVRG
Acenaphthylene	0.5130000	0.3284300	0.3284300	0.01	-35.98	100.00	AVRG
Acenaphthene	0.7790000	0.7261400	0.7261400	0.01	-6.78	20.00	AVRG
Fluorene	1.0221000	1.0000000	0.7952800	0.01	2.21	100.00	LINR
Phenanthrene	0.7480000	0.7058300	0.7058300	0.01	-5.64	100.00	AVRG
Anthracene	0.7802600	1.0000000	0.5483400	0.01	-21.97	100.00	LINR
Fluoranthene	0.5440000	0.5548000	0.5548000	0.01	1.98	20.00	AVRG
Pyrene	1.0900000	1.1084000	1.1084000	0.01	1.69	100.00	AVRG
Benzo(a)anthracene	0.3590000	0.5260300	0.5260300	0.01	46.53	100.00	AVRG
Chrysene	0.9680000	0.9039600	0.9039600	0.01	-6.62	100.00	AVRG
Benzo(b)fluoranthene	0.5320000	0.6653000	0.6653000	0.01	25.06	100.00	AVRG
Benzo(k)fluoranthene	1.2080000	1.3219000	1.3219000	0.01	9.43	100.00	AVRG
Benzo(a)pyrene	0.8492500	1.0000000	0.6185400	0.01	-15.08	20.00	LINR
Indeno(1,2,3-cd)pyrene	0.4770000	0.4871100	0.4871100	0.01	2.12	100.00	AVRG
Dibenzo(a,h)anthracene	0.5410000	0.2824500	0.2824500	0.01	-47.79	100.00	AVRG
Benzo(g,h,i)perylene	0.7041200	1.0000000	0.5666400	0.01	-29.59	100.00	LINR
1-Methylnaphthalene	0.3510000	0.3767300	0.3767300	0.01	7.33	100.00	AVRG
2-Methylnaphthalene-d10	0.2720000	0.2940100	0.2940100	0.01	8.09	100.00	AVRG
Fluorene-d10	0.9817200	1.0000000	0.7373700	0.01	-1.83	100.00	LINR
Pyrene-d10	0.7600000	0.8729500	0.8729500	0.01	14.86	100.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date: 06/16/04 Time: 1203

Lab File ID: X5478 Init. Calib. Date(s): 06/15/04 06/15/04

Init. Calib. Times: 1652 2001

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	0.8290000	0.7303600	0.01	-11.90	100.00	AVRG
2-Methylnaphthalene	0.4270000	0.3707600	0.01	-13.17	100.00	AVRG
Acenaphthylene	1.3680000	0.7425800	0.01	-45.72	100.00	AVRG
Acenaphthene	0.9180000	0.8619000	0.01	-6.11	20.00	AVRG
Fluorene	0.9380000	0.6947700	0.01	-25.93	100.00	AVRG
Phenanthrene	0.8200000	0.7738000	0.01	-5.63	100.00	AVRG
Anthracene	0.9260000	0.9054700	0.01	-2.22	100.00	AVRG
Fluoranthene	0.7730000	0.6842100	0.01	-11.49	20.00	AVRG
Pyrene	1.7200000	1.7894000	0.01	4.03	100.00	AVRG
Benzo(a)anthracene	0.9070000	0.6195800	0.01	-31.69	100.00	AVRG
Chrysene	1.1920000	1.3965000	0.01	17.16	100.00	AVRG
Benzo(b)fluoranthene	1.3270000	1.0002000	0.01	-24.63	100.00	AVRG
Benzo(k)fluoranthene	1.8450000	2.0140000	0.01	9.16	100.00	AVRG
Benzo(a)pyrene	1.1000000	1.0396000	0.01	-5.49	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7560000	0.7353200	0.01	-2.74	100.00	AVRG
Dibenzo(a,h)anthracene	0.6550000	0.5773000	0.01	-11.86	100.00	AVRG
Benzo(g,h,i)perylene	0.7570000	0.6927600	0.01	-8.49	100.00	AVRG
1-Methylnaphthalene	0.4280000	0.3788000	0.01	-11.50	100.00	AVRG
2-Methylnaphthalene-d10	0.2860000	0.3414200	0.01	19.38	100.00	AVRG
Fluorene-d10	0.7650000	0.4567000	0.01	-40.30	100.00	AVRG
Pyrene-d10	1.1670000	1.1405000	0.01	-2.27	100.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date: 06/17/04 Time: 1349

Lab File ID: X5494 Init. Calib. Date(s): 06/15/04 06/15/04

Init. Calib. Times: 1652 2001

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	0.8290000	0.7404000	0.01	-10.69	100.00	AVRG
2-Methylnaphthalene	0.4270000	0.3564400	0.01	-16.52	100.00	AVRG
Acenaphthylene	1.3680000	0.7343000	0.01	-46.32	100.00	AVRG
Acenaphthene	0.9180000	0.8856400	0.01	-3.52	20.00	AVRG
Fluorene	0.9380000	0.7004000	0.01	-25.33	100.00	AVRG
Phenanthrene	0.8200000	0.7318400	0.01	-10.75	100.00	AVRG
Anthracene	0.9260000	0.9256100	0.01	-0.04	100.00	AVRG
Fluoranthene	0.7730000	0.6630900	0.01	-14.22	20.00	AVRG
Pyrene	1.7200000	1.8697000	0.01	8.70	100.00	AVRG
Benzo(a)anthracene	0.9070000	0.6199000	0.01	-31.65	100.00	AVRG
Chrysene	1.1920000	1.7410000	0.01	46.06	100.00	AVRG
Benzo(b)fluoranthene	1.3270000	0.7775400	0.01	-41.41	100.00	AVRG
Benzo(k)fluoranthene	1.8450000	1.9357000	0.01	4.92	100.00	AVRG
Benzo(a)pyrene	1.1000000	1.0044000	0.01	-8.69	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7560000	0.7676900	0.01	1.55	100.00	AVRG
Dibenzo(a,h)anthracene	0.6550000	0.5305100	0.01	-19.01	100.00	AVRG
Benzo(g,h,i)perylene	0.7570000	0.6049800	0.01	-20.08	100.00	AVRG
1-Methylnaphthalene	0.4280000	0.3891700	0.01	-9.07	100.00	AVRG
2-Methylnaphthalene-d10	0.2860000	0.3268500	0.01	14.28	100.00	AVRG
Fluorene-d10	0.7650000	0.4749800	0.01	-37.91	100.00	AVRG
Pyrene-d10	1.1670000	1.1313000	0.01	-3.06	100.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GCMS-X Calibration Date: 06/18/04 Time: 1219

Lab File ID: X5509 Init. Calib. Date(s): 06/15/04 06/15/04

Init. Calib. Times: 1652 2001

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Naphthalene	0.8290000	0.7590700	0.01	-8.44	100.00	AVRG
2-Methylnaphthalene	0.4270000	0.4228300	0.01	-0.98	100.00	AVRG
Acenaphthylene	1.3680000	1.2384000	0.01	-9.47	100.00	AVRG
Acenaphthene	0.9180000	0.9289100	0.01	1.19	20.00	AVRG
Fluorene	0.9380000	0.9353100	0.01	-0.29	100.00	AVRG
Phenanthrene	0.8200000	0.9365500	0.01	14.21	100.00	AVRG
Anthracene	0.9260000	0.8843200	0.01	-4.50	100.00	AVRG
Fluoranthene	0.7730000	0.7354600	0.01	-4.86	20.00	AVRG
Pyrene	1.7200000	1.0144000	0.01	-41.02	100.00	AVRG
Benzo(a)anthracene	0.9070000	0.7809400	0.01	-13.90	100.00	AVRG
Chrysene	1.1920000	0.9634400	0.01	-19.17	100.00	AVRG
Benzo(b)fluoranthene	1.3270000	1.0169000	0.01	-23.37	100.00	AVRG
Benzo(k)fluoranthene	1.8450000	1.7365000	0.01	-5.88	100.00	AVRG
Benzo(a)pyrene	1.1000000	0.9878800	0.01	-10.19	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7560000	0.7058800	0.01	-6.63	100.00	AVRG
Dibenzo(a,h)anthracene	0.6550000	0.8614500	0.01	31.52	100.00	AVRG
Benzo(g,h,i)perylene	0.7570000	1.1684000	0.01	54.35	100.00	AVRG
1-Methylnaphthalene	0.4280000	0.4073300	0.01	-4.83	100.00	AVRG
2-Methylnaphthalene-d10	0.2860000	0.2451700	0.01	-14.28	100.00	AVRG
Fluorene-d10	0.7650000	0.7303800	0.01	-4.52	100.00	AVRG
Pyrene-d10	1.1670000	0.6116000	0.01	-47.59	100.00	AVRG

FORM VII PEST

FORM 2
WATER FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG7769-BLANK	WG7769-1	90	88							0
02	WG7769-LCS	WG7769-2	97	94							0
03	WG7803-BLANK	WG7803-1	90	84							0
04	WG7803-LCS	WG7803-2	112	109							0
05	WG7803-LCSD	WG7803-3	82	77*							1
06	G01-MW-03-0504	WU1503-3	92	91							0
07	G01-MW-10-0504	WU1503-4	111	101							0
08	G01-MW-12-0504	WU1503-5	92	85							0
09	RR-MW-06-0504	WU1519-1	99	94							0
10	A824-MW-01-0504	WU1519-2	104	98							0
11	A824-MW-02-0504	WU1519-3	95	91							0
12	A824-MW-03-0504	WU1519-4	100	92							0
13	KW-DUP-03-0504	WU1519-5	96	92							0
14	FC-MW-05-0504	WU1529-1	96	93							0
15	FC-MW-06-0504	WU1529-2	90	86							0
16	FC-MW-22-0504	WU1529-3	77	72*							1
17	KW-DUP-01-0504	WU1529-4	94	84							0
18	G01-MW02-0504	WU1529-5	87	81*							1
19	RR-MW-06-0504MS	WG7769-3	100	100							0
20	RR-MW-06-0504MSD	WG7769-4	83	85							0
21	G01-MW04-0504	WU1529-6	113	102							0
22	G01-MW05-0504	WU1529-7	86	78*							1
23	G01-MW11-0504	WU1529-8	111	100							0
24											
25											
26											
27											
28											

		QC LIMITS
S1	= n-Triacontane-D62	(42-193)
S2 (OTP)	= O-Terphenyl	(82-142)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7769-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: CUF2105 Lab Sample ID: WG7769-1

Instrument ID: GC12 Date Extracted: 05/25/04

Matrix: (soil/water) WATER Date Analyzed: 06/18/04

Level:(low/med) LOW Time Analyzed: 2313

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7769-LCS	WG7769-2	CUF2106	06/19/04	0023
02	G01-MW-03-0504	WU1503-3	CUF2110	06/19/04	0503
03	G01-MW-10-0504	WU1503-4	CUF2111	06/19/04	0613
04	G01-MW-12-0504	WU1503-5	CUF2112	06/19/04	0723
05	RR-MW-06-0504	WU1519-1	CUF2113	06/19/04	0833
06	A824-MW-01-0504	WU1519-2	CUF2114	06/19/04	0943
07	A824-MW-02-0504	WU1519-3	CUF2118	06/19/04	1423
08	A824-MW-03-0504	WU1519-4	CUF2119	06/19/04	1533
09	KW-DUP-03-0504	WU1519-5	CUF2120	06/19/04	1643
10	RR-MW-06-0504MS	WG7769-3	CUF2126	06/19/04	2345
11	RR-MW-06-0504MSD	WG7769-4	CUF2127	06/20/04	0055
12					
13					
14					
15					
16					
17					
18					
19					
20					
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22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG7803-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Lab File ID: CUF2107 Lab Sample ID: WG7803-1

Instrument ID: GC12 Date Extracted: 05/26/04

Matrix: (soil/water) WATER Date Analyzed: 06/19/04

Level: (low/med) LOW Time Analyzed: 0133

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG7803-LCS	WG7803-2	CUF2108	06/19/04	0243
02	WG7803-LCSD	WG7803-3	CUF2109	06/19/04	0353
03	FC-MW-05-0504	WU1529-1	CUF2121	06/19/04	1754
04	FC-MW-06-0504	WU1529-2	CUF2122	06/19/04	1904
05	FC-MW-22-0504	WU1529-3	CUF2123	06/19/04	2014
06	KW-DUP-01-0504	WU1529-4	CUF2124	06/19/04	2124
07	G01-MW02-0504	WU1529-5	CUF2125	06/19/04	2234
08	G01-MW04-0504	WU1529-6	CUF2131	06/20/04	0536
09	G01-MW05-0504	WU1529-7	CUF2132	06/20/04	0646
10	G01-MW11-0504	WU1529-8	CUF2133	06/20/04	0757
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 05/25/04
Analysis Date: 06/18/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7769-1
Client ID: WG7769-Blank
SDG: CTO301318-1
Extracted by: MC
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7769
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	280
	n-Triacontane-D62		90%				
	O-Terphenyl		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO301,318 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 05/26/04
Analysis Date: 06/19/04
Report Date: 06/20/2004
Matrix: WATER
% Solids: NA

Lab ID: WG7803-1
Client ID: WG7803-Blank
SDG: CTO301318-1
Extracted by: JP
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 M8100
Lab Prep Batch: WG7803
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	500	1.0	500	500	280
	n-Triacontane-D62		90%				
	O-Terphenyl		84%				

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 01/15/04 01/15/04

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 18.20 S2 : 24.42

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01	ICAL	FLPRO 5 UG/M	01/15/04	0329	18.20	24.42
02	ICAL	FLPRO 20 UG/	01/15/04	0438	18.20	24.42
03	ICAL	FLPRO 50 UG/	01/15/04	0548	18.20	24.42
04	ICAL	FLPRO 100UG/	01/15/04	0658	18.20	24.42
05	ICAL	FLPRO 200UG/	01/15/04	0809	18.20	24.42
06	INDSOURCE	FLPRO IND	01/15/04	0919	18.20	24.42
07	CV	FLPRO 50UG/M	06/18/04	1723	18.18	24.37
08	WG7769-BLANK	WG7769-1	06/18/04	2313	18.18	24.38
09	WG7769-LCS	WG7769-2	06/19/04	0023	18.18	24.37
10	WG7803-BLANK	WG7803-1	06/19/04	0133	18.18	24.38
11	WG7803-LCS	WG7803-2	06/19/04	0243	18.18	24.38
12	WG7803-LCSD	WG7803-3	06/19/04	0353	18.17	24.37
13	G01-MW-03-05	WU1503-3	06/19/04	0503	18.17	24.38
14	G01-MW-10-05	WU1503-4	06/19/04	0613	18.17	24.37
15	G01-MW-12-05	WU1503-5	06/19/04	0723	18.17	24.37
16	RR-MW-06-050	WU1519-1	06/19/04	0833	18.18	24.37
17	A824-MW-01-0	WU1519-2	06/19/04	0943	18.18	24.38
18	CV	FLPRO 50UG/M	06/19/04	1313	18.18	24.37
19	A824-MW-02-0	WU1519-3	06/19/04	1423	18.18	24.37
20	A824-MW-03-0	WU1519-4	06/19/04	1533	18.18	24.38

QC LIMITS
S1 = O-Terphenyl (+/- 0.36 MINUTES)
S2 = n-Triacontane-D62 (+/- 0.49 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 01/15/04 01/15/04

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 18.20 S2 : 24.42

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01	KW-DUP-03-05	WU1519-5	06/19/04	1643	18.18	24.38
02	FC-MW-05-050	WU1529-1	06/19/04	1754	18.18	24.38
03	FC-MW-06-050	WU1529-2	06/19/04	1904	18.18	24.38
04	FC-MW-22-050	WU1529-3	06/19/04	2014	18.17	24.38
05	KW-DUP-01-05	WU1529-4	06/19/04	2124	18.17	24.38
06	G01-MW02-050	WU1529-5	06/19/04	2234	18.17	24.37
07	RR-MW-06-050	WG7769-3	06/19/04	2345	18.18	24.38
08	RR-MW-06-050	WG7769-4	06/20/04	0055	18.17	24.37
09	CV	FLPRO 50UG/M	06/20/04	0426	18.17	24.37
10	G01-MW04-050	WU1529-6	06/20/04	0536	18.17	24.37
11	G01-MW05-050	WU1529-7	06/20/04	0646	18.17	24.37
12	G01-MW11-050	WU1529-8	06/20/04	0757	18.17	24.38
13	CV	FLPRO 50UG/M	06/20/04	1127	18.18	24.38
14						
15						
16						
17						
18						
19						
20						

		QC LIMITS
S1	= O-Terphenyl	(+/- 0.36 MINUTES)
S2	= n-Triacontane-D62	(+/- 0.49 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 6
FL-PRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC12 Calibration Date(s): 01/15/04 01/15/04

Column: ZB-1 ID: 0.53 (mm) Calibration Time(s): 0329 0809

LAB FILE ID: RF5: CUA2058 RF20: CUA2059 RF50: CUA2060
RF100: CUA2061 RF200: CUA2062

COMPOUND	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
C-24	28608	115080	291160	567020	1159700	LINR	0.21946184	1.729e-004	0.99986	0.99000
C-8	29571	113520	285540	559500	1120700	LINR	-0.3179999	1.787e-004	0.99998	0.99000
C-10	44616	119260	291320	572080	1153100	LINR	-0.9962156	1.747e-004	0.99981	0.99000
C-12	8727	118790	296890	573940	1155400	LINR	0.67416490	1.722e-004	0.99955	0.99000
C-14	30797	116970	289990	572110	1157900	LINR	-5.64e-002	1.731e-004	0.99996	0.99000
C-16	30385	117240	293420	575020	1165800	LINR	-3.37e-002	1.72e-004	0.99994	0.99000
C-18	29940	116910	292420	573010	1166600	LINR	8.384e-002	1.719e-004	0.99991	0.99000
C-28	29723	116310	294110	572040	1164400	LINR	3.314e-002	1.722e-004	0.99990	0.99000
C-20	29610	116560	293280	571720	1164600	LINR	6.577e-002	1.722e-004	0.99990	0.99000
C-22	29259	116660	293340	572810	1169300	LINR	0.16148628	1.715e-004	0.99989	0.99000
FL-PRO peaks C8-C40	491470	1955200	4966100	9706200	2.e+007	LINR	0.84359268	1.732e-004	0.99994	0.99000
C-26	29407	115890	294330	572720	1167500	LINR	0.11742793	1.717e-004	0.99989	0.99000
C-38	28905	107560	279190	558160	1129200	LINR	0.41790430	1.771e-004	0.99995	0.99000
C-40	23709	102680	285040	550470	1136800	LINR	1.00039501	1.758e-004	0.99970	0.99000
C-30	31378	117890	295870	573650	1161900	LINR	-0.2570571	1.727e-004	0.99992	0.99000
C-32	29450	114070	293980	572950	1156100	LINR	-4.48e-002	1.732e-004	0.99995	0.99000
C-34	29113	115760	300230	585980	1178500	LINR	-2.36e-002	1.698e-004	0.99995	0.99000
C-36	28271	114090	296030	583060	1159300	LINR	-0.1381361	1.723e-004	0.99995	0.99000
O-Terphenyl	6399.80	6360.20	6552.40	6396.50	6295.50	AVRG		6400.87200	1.477	40.000
n-Triacontane-D62	5100.80	5099.40	5229.10	5106.60	5062.00	AVRG		5119.58333	1.245	40.000

FORM VI FL-PRO

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC12 Calibration Date: 06/18/04 Time: 1723

Lab File ID: CUF2100 Init. Calib. Date(s): 01/15/04 01/15/04

Init. Calib. Times: 0329 0809

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
C-24	44.919000	50.000000	5171.4000	0.01	-10.16	25.00	LINR
C-8	42.133000	50.000000	4750.3000	0.01	-15.73	25.00	LINR
C-10	40.770000	50.000000	4780.6000	0.01	-18.46	25.00	LINR
C-12	44.423000	50.000000	5080.0000	0.01	-11.15	25.00	LINR
C-14	43.534000	50.000000	5035.0000	0.01	-12.93	25.00	LINR
C-16	44.461000	50.000000	5175.0000	0.01	-11.08	25.00	LINR
C-18	44.789000	50.000000	5202.0000	0.01	-10.42	25.00	LINR
C-28	44.899000	50.000000	5210.9000	0.01	-10.20	25.00	LINR
C-20	45.001000	50.000000	5219.9000	0.01	-10.0	25.00	LINR
C-22	45.146000	50.000000	5247.1000	0.01	-9.71	25.00	LINR
FL-PRO peaks C8-C40	739.74000	850.00000	5021.9000	0.01	-12.97	25.00	LINR
C-26	44.837000	50.000000	5208.8000	0.01	-10.33	25.00	LINR
C-38	40.643000	50.000000	4542.1000	0.01	-18.71	25.00	LINR
C-40	38.346000	50.000000	4248.1000	0.01	-23.31	25.00	LINR
C-30	44.961000	50.000000	5237.5000	0.01	-10.08	25.00	LINR
C-32	44.541000	50.000000	5148.1000	0.01	-10.92	25.00	LINR
C-34	43.912000	50.000000	5175.6000	0.01	-12.18	25.00	LINR
C-36	42.428000	50.000000	4939.8000	0.01	-15.14	25.00	LINR
O-Terphenyl	6400.9000	5901.7000	5901.7000	0.01	-7.80	25.00	AVRG
n-Triacontane-D62	5119.6000	4760.0000	4760.0000	0.01	-7.02	25.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC12 Calibration Date: 06/19/04 Time: 1313

Lab File ID: CUF2117 Init. Calib. Date(s): 01/15/04 01/15/04

Init. Calib. Times: 0329 0809

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
C-24	41.932000	50.000000	5225.4000	0.01	-16.14	25.00	LINR	
C-8	38.526000	50.000000	4632.9000	0.01	-22.95	25.00	LINR	
C-10	37.562000	50.000000	4793.8000	0.01	-24.88	25.00	LINR	
C-12	41.562000	50.000000	5157.3000	0.01	-16.88	25.00	LINR	
C-14	40.652000	50.000000	5105.4000	0.01	-18.70	25.00	LINR	
C-16	40.922000	50.000000	5165.5000	0.01	-18.16	25.00	LINR	
C-18	41.912000	50.000000	5261.8000	0.01	-16.18	25.00	LINR	
C-28	42.052000	50.000000	5288.2000	0.01	-15.90	25.00	LINR	
C-20	41.658000	50.000000	5275.1000	0.01	-16.68	25.00	LINR	
C-22	42.155000	50.000000	5301.9000	0.01	-15.69	25.00	LINR	
FL-PRO peaks C8-C40	686.41000	850.00000	5035.9000	0.01	-19.25	25.00	LINR	
C-26	41.978000	50.000000	5282.2000	0.01	-16.04	25.00	LINR	
C-38	37.741000	50.000000	4513.8000	0.01	-24.52	25.00	LINR	
C-40	32.382000	50.000000	3692.1000	0.01	-35.24	25.00	LINR	<-
C-30	42.190000	50.000000	5347.3000	0.01	-15.62	25.00	LINR	
C-32	41.892000	50.000000	5275.9000	0.01	-16.22	25.00	LINR	
C-34	41.282000	50.000000	5281.8000	0.01	-17.44	25.00	LINR	
C-36	40.012000	50.000000	5010.5000	0.01	-19.98	25.00	LINR	
O-Terphenyl	6400.9000	5957.3000	5957.3000	0.01	-6.93	25.00	AVRG	
n-Triacontane-D62	5119.6000	4837.8000	4837.8000	0.01	-5.50	25.00	AVRG	

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC12 Calibration Date: 06/20/04 Time: 0426

Lab File ID: CUF2130 Init. Calib. Date(s): 01/15/04 01/15/04

Init. Calib. Times: 0329 0809

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
C-24	45.386000	50.000000	5225.4000	0.01	-9.23	25.00	LINR	
C-8	41.084000	50.000000	4632.9000	0.01	-17.83	25.00	LINR	
C-10	40.885000	50.000000	4793.8000	0.01	-18.23	25.00	LINR	
C-12	45.089000	50.000000	5157.3000	0.01	-9.82	25.00	LINR	
C-14	44.143000	50.000000	5105.4000	0.01	-11.71	25.00	LINR	
C-16	44.380000	50.000000	5165.5000	0.01	-11.24	25.00	LINR	
C-18	45.303000	50.000000	5261.8000	0.01	-9.39	25.00	LINR	
C-28	45.564000	50.000000	5288.2000	0.01	-8.87	25.00	LINR	
C-20	45.477000	50.000000	5275.1000	0.01	-9.05	25.00	LINR	
C-22	45.616000	50.000000	5301.9000	0.01	-8.77	25.00	LINR	
FL-PRO peaks C8-C40	741.65000	850.00000	5035.9000	0.01	-12.75	25.00	LINR	
C-26	45.467000	50.000000	5282.2000	0.01	-9.07	25.00	LINR	
C-38	40.393000	50.000000	4513.8000	0.01	-19.21	25.00	LINR	
C-40	33.458000	50.000000	3692.1000	0.01	-33.08	25.00	LINR	<-
C-30	45.910000	50.000000	5347.3000	0.01	-8.18	25.00	LINR	
C-32	45.648000	50.000000	5275.9000	0.01	-8.70	25.00	LINR	
C-34	44.812000	50.000000	5281.8000	0.01	-10.38	25.00	LINR	
C-36	43.037000	50.000000	5010.5000	0.01	-13.93	25.00	LINR	
O-Terphenyl	6400.9000	5957.3000	5957.3000	0.01	-6.93	25.00	AVRG	
n-Triacontane-D62	5119.6000	4837.8000	4837.8000	0.01	-5.50	25.00	AVRG	

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO301,318 NAS KEY WEST SDG No.: CTO301318-1

Instrument ID: GC12 Calibration Date: 06/20/04 Time: 1127

Lab File ID: CUF2136 Init. Calib. Date(s): 01/15/04 01/15/04

Init. Calib. Times: 0329 0809

GC Column: ZB-1 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
C-24	46.130000	50.000000	5311.4000	0.01	-7.74	25.00	LINR	
C-8	41.908000	50.000000	4725.1000	0.01	-16.18	25.00	LINR	
C-10	41.496000	50.000000	4863.7000	0.01	-17.01	25.00	LINR	
C-12	45.910000	50.000000	5252.6000	0.01	-8.18	25.00	LINR	
C-14	46.282000	50.000000	5352.4000	0.01	-7.44	25.00	LINR	
C-16	45.048000	50.000000	5243.3000	0.01	-9.90	25.00	LINR	
C-18	46.075000	50.000000	5351.6000	0.01	-7.85	25.00	LINR	
C-28	46.334000	50.000000	5377.6000	0.01	-7.33	25.00	LINR	
C-20	46.226000	50.000000	5362.2000	0.01	-7.55	25.00	LINR	
C-22	46.381000	50.000000	5391.2000	0.01	-7.24	25.00	LINR	
FL-PRO peaks C8-C40	754.88000	850.00000	5125.9000	0.01	-11.19	25.00	LINR	
C-26	46.195000	50.000000	5366.9000	0.01	-7.61	25.00	LINR	
C-38	40.996000	50.000000	4581.9000	0.01	-18.01	25.00	LINR	
C-40	33.183000	50.000000	3660.8000	0.01	-33.63	25.00	LINR	<-
C-30	46.642000	50.000000	5432.2000	0.01	-6.72	25.00	LINR	
C-32	46.378000	50.000000	5360.2000	0.01	-7.24	25.00	LINR	
C-34	45.652000	50.000000	5380.6000	0.01	-8.70	25.00	LINR	
C-36	44.041000	50.000000	5127.0000	0.01	-11.92	25.00	LINR	
O-Terphenyl	6400.9000	6024.6000	6024.6000	0.01	-5.88	25.00	AVRG	
n-Triacontane-D62	5119.6000	4918.7000	4918.7000	0.01	-3.92	25.00	AVRG	

FORM VII PEST

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**JULY 14, 2004**
FROM:	**ERIN M. FAUST**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – LEAD, NITRATE AND SULFATE**
CTOs – 301 & 318 NAS KEY WEST
SAMPLE DELIVERY GROUP (SDG) – 3181

SAMPLES: 16/Aqueous/

A824-MW-01-0504	A824-MW-02-0504	A824-MW-03-0504
G01-MW-02-0504	G01-MW-03-0504	G01-MW-04-0504
G01-MW-05-0504	G01-MW-10-0504	G01-MW-11-0504
G01-MW-12-0504	KW-DUP-03-0504	RR-MW-06-0504
FC-MW-05-0504	FC-MW-06-0504	FC-MW-22-0504
KW-DUP-01-0504		

Overview

The sample set for CTOs 301 & 318, NAS Key West, SDG 3181, consists of sixteen (16) aqueous environmental samples. Two (2) field duplicate pairs (KW-DUP-03-0504 / A824-MW-01-0504 and KW-DUP-01-0504 / FC-MW-22-0504) are included within this SDG.

All samples were analyzed for lead, nitrate and sulfate, with the exception of samples , which were analyzed for lead only. The samples were collected by TetraTech NUS on May 20, 21, 22 and 24, 2004 and analyzed by Katahdin Analytical Services under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. Lead analyses were conducted using SW-846 method 6010B. Analyses for nitrate and sulfate were conducted using EPA methods 353.2 and 375.4, respectively.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
* • Laboratory Blank Analyses
• Field Duplicate Results
• Detection Limits

* - All quality control criteria were met for this parameter.

Field Duplicate Results

Field duplicate imprecision (RPD > 30%) was noted for sulfate. Positive results reported for sulfate were qualified as estimated, "J".

Detection Limits

Several results reported for nitrate were qualified by the laboratory as estimated, "J", because the reported result is greater than the laboratory method detection limit (MDL) but less than the reporting limit (RL). This qualifier was retained during data validation.

Notes

The matrix spike percent recovery for sulfate was 0%. No validation action was required because the native concentration of sulfate in the unspiked sample was greater than four times the concentration of sulfate added in the matrix spiking solution.

Executive Summary

Laboratory Performance: No laboratory performance issues affected data quality.

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for sulfate. Several results for nitrate were qualified due to uncertainty near the detection limit.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", July 2002 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Erin M Faust

Tetra Tech NUS
Erin M. Faust
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: M

nsample	A824-MW-01-0504
samp_date	5/21/2004
lab_id	WU1519-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	A824-MW-02-0504
samp_date	5/21/2004
lab_id	WU1519-003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	A824-MW-03-0504
samp_date	5/21/2004
lab_id	WU1519-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: M

nsample	G01-MW-02-0504
samp_date	5/24/2004
lab_id	WU1529-005
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	G01-MW-03-0504
samp_date	5/20/2004
lab_id	WU1503-003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	G01-MW-04-0504
samp_date	5/24/2004
lab_id	WU1529-006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: M

nsample	G01-MW-05-0504
samp_date	5/24/2004
lab_id	WU1529-007
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	G01-MW-10-0504
samp_date	5/20/2004
lab_id	WU1503-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	G01-MW-11-0504
samp_date	5/24/2004
lab_id	WU1529-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: M

nsample	G01-MW-12-0504	nsample	KW-DUP-03-0504	nsample	RR-MW-06-0504
samp_date	5/20/2004	samp_date	5/21/2004	samp_date	5/21/2004
lab_id	WU1503-005	lab_id	WU1519-005	lab_id	WU1519-001
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	A824-MW-01-0504	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: M

nsample	FC-MW-05-0504
samp_date	5/22/2004
lab_id	WU1529-001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	1.7	U	

nsample	FC-MW-06-0504
samp_date	5/22/2004
lab_id	WU1529-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	2.0		

nsample	FC-MW-22-0504
samp_date	5/22/2004
lab_id	WU1529-003
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
LEAD	43.1		

PROJ_NO: 5658

SDG: 3181 MEDIA: WATER DATA FRACTION: M

nsample	KW-DUP-01-0504
samp_date	5/22/2004
lab_id	WU1529-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	FC-MW-22-0504

Parameter	Result	Val Qual	Qual Code
LEAD	42.9		

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: MISC

nsample	A824-MW-01-0504
samp_date	5/21/2004
lab_id	WU1519-2
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.05	U	
SULFATE	MG/L	28	J	G

nsample	A824-MW-02-0504
samp_date	5/21/2004
lab_id	WU1519-3
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.05	U	
SULFATE	MG/L	390	J	G

nsample	A824-MW-03-0504
samp_date	5/21/2004
lab_id	WU1519-4
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.05	U	
SULFATE	MG/L	110	J	G

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: MISC

nsample	G01-MW-02-0504
samp_date	5/24/2004
lab_id	WU1529-5
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.034	J	P
SULFATE	MG/L	1200	J	G

nsample	G01-MW-03-0504
samp_date	5/20/2004
lab_id	WU1503-3
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.22		
SULFATE	MG/L	3.4	J	G

nsample	G01-MW-04-0504
samp_date	5/24/2004
lab_id	WU1529-6
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.25	U	
SULFATE	MG/L	1300	J	G

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: MISC

nsample	G01-MW-05-0504	nsample	G01-MW-10-0504	nsample	G01-MW-11-0504
samp_date	5/24/2004	samp_date	5/20/2004	samp_date	5/24/2004
lab_id	WU1529-7	lab_id	WU1503-4	lab_id	WU1529-8
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.019	J	P
SULFATE	MG/L	460	J	G

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.005	J	P
SULFATE	MG/L	24	J	G

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.05	U	
SULFATE	MG/L	140	J	G

PROJ_NO: 4779

SDG: 3181 MEDIA: WATER DATA FRACTION: MISC

nsample	G01-MW-12-0504	nsample	KW-DUP-03-0504	nsample	RR-MW-06-0504
samp_date	5/20/2004	samp_date	5/21/2004	samp_date	5/21/2004
lab_id	WU1503-5	lab_id	WU1519-5	lab_id	WU1519-1
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	A824-MW-01-0504	DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.0094	J	P
SULFATE	MG/L	460	J	G

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.05	U	
SULFATE	MG/L	46	J	G

Parameter	units	Result	Val Qual	Qual Code
NITRATE-N	MG/L	0.014	J	P
SULFATE	MG/L	230	J	G

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** A824-MW-01-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1519-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** A824-MW-02-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1519-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** A824-MW-03-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1519-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW02-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW-03-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1503-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW04-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW05-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW-10-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1503-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW11-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** G01-MW-12-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1503-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** KW-DUP-03-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1519-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** RR-MW-06-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1519-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** FC-MW-05-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	1.70	U		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** FC-MW-06-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	2.0	B		P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** FC-MW-22-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	43.1			P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** KW-DUP-01-0504

Matrix: WATER **SDG Name:** CTO301318-1

Percent Solids: 0.00 **Lab Sample ID:** WU1529-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7439-92-1	LEAD, TOTAL	42.9			P	1	5.0	1.70

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

FORM I - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1519-2
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
A824-MW-01-0504	AQ	21-MAY-04	22-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	U0.050 mg/L	.05	EPA 353.2	WG7736	22-MAY-04	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	28. mg/L	1	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1519-3
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
A824-MW-02-0504	AQ	21-MAY-04	22-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	U0.050 mg/L	.05	EPA 353.2	WG7736	22-MAY-04	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	390 mg/L	20	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1519-4
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
A824-MW-03-0504	AQ	21-MAY-04	22-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	U0.050 mg/L	.05	EPA 353.2	WG7736	22-MAY-04	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	110 mg/L	5	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1529-5
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW02-0504	AQ	24-MAY-04	25-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	J0.034 mg/L	.05	EPA 353.2	WG7789	26-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	1200 mg/L	50	EPA 375.4	WG8204	17-JUN-04	KGT	N/A	N/A	N/A	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1503-3
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO 301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW-03-0504	AQ	20-MAY-04	21-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	0.22 mg/L	.05	EPA 353.2	WG7713	21-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	3.4 mg/L	1	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

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ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1529-6
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW04-0504	AQ	24-MAY-04	25-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	U0.25 mg/L	.25	EPA 353.2	WG7789	26-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	1300 mg/L	50	EPA 375.4	WG8204	17-JUN-04	KGT	N/A	N/A	N/A	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1529-7
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW05-0504	AQ	24-MAY-04	25-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	J0.019 mg/L	.05	EPA 353.2	WG7789	26-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	460 mg/L	20	EPA 375.4	WG8204	17-JUN-04	KGT	N/A	N/A	N/A	

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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1503-4
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO 301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW-10-0504	AQ	20-MAY-04	21-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	J0.0050 mg/L	.05	EPA 353.2	WG7713	21-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	24. mg/L	1	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1529-8
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW11-0504	AQ	24-MAY-04	25-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	U0.050 mg/L	.05	EPA 353.2	WG7789	26-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	140 mg/L	10	EPA 375.4	WG8204	17-JUN-04	KGT	N/A	N/A	N/A	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1503-5
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO 301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
G01-MW-12-0504	AQ	20-MAY-04	21-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	J0.0094 mg/L	.05	EPA 353.2	WG7713	21-MAY-04	PAG	N/A	N/A	N/A	
Sulfate-Turbidimetric	460 mg/L	20	EPA 375.4	WG8051	07-JUN-04	KGT	N/A	N/A	N/A	

340 County Road No. 5
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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1519-5
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
KW-DUP-03-0504	AQ	21-MAY-04	22-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	U0.050 mg/L	.05	EPA 353.2	WG7736	22-MAY-04	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	46. mg/L	2	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WU1519-1
Report Date: 21-JUN-04
Client PO: MSA-0402-N4113-05 N4779-
Project: CTO301,318 NAS KEY WEST
SDG: CTO301/318-1

Sample Description	Matrix	Date Sampled	Date Received
RR-MW-06-0504	AQ	21-MAY-04	22-MAY-04

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	By	Prep. Method	Prep. Date	By	Footnotes
Nitrate As N	J0.014 mg/L	.05	EPA 353.2	WG7736	22-MAY-04	KGT	N/A	N/A	N/A	
Sulfate-Turbidimetric	230 mg/L	10	EPA 375.4	WG7981	03-JUN-04	KGT	N/A	N/A	N/A	

APPENDIX C
SUPPORT DOCUMENTATION

WW1503

TETRA TECH NUS, INC.

CHAIN OF CUSTODY | NUMBER 3833 | PAGE 1 OF 1

PROJECT NO:	FACILITY: NAS KEY WEST	PROJECT MANAGER: EMILY McREE	PHONE NUMBER: (803)649-7963	LABORATORY NAME AND CONTACT: KATHADIN - ANDREA COLBY
SAMPLERS (SIGNATURE): Gary Bragan		FIELD OPERATIONS LEADER: GARY BRAGANZA	PHONE NUMBER: (561) 302-4437	ADDRESS: 340 COUNTY ROAD NO. 5
		CARRIER/WAYBILL NUMBER: FED EX / 8425 8908 8781		CITY, STATE: WESTBROOK, ME

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G)

PRESERVATIVE USED

TYPE OF ANALYSIS

DATE YEAR 2004	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PAHs	PPL VOHs, BTEX, MTBE	TRPH	EDB	NITRATE + SULFATE	METHANE	LEAD	COMMENTS
5/20	9:20	B01-MW-01-0504	MW-01			GW	G	2	X							
	9:30	B01-MW-03-0504	MW-03	~~9:30~~				2	X							
	13:45	G01-MW-03-0504	G01-MW03					13	X	X	X	X	X	X	X	
	15:25	G01-MW-10-0504	G01-MW10					13	X	X	X	X	X	X	X	
	14:40	G01-MW-12-0504	G01-MW12					13	X	X	X	X	X	X	X	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Gary Bragan	5/20/04	17:30	1. RECEIVED BY: [signature]	5/20/04	0905
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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FORM NO. TtNUS-001

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TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 3834 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
N4779	NAS KEY WEST	EMILY McREE	(803) 649-7963	KATHADIN - ANDREA COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Gary Braganza		GARY BRAGANZA	(561) 302-4137	340 COUNTY ROAD No. 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FED EX / 8425 8908 8792		WESTBROOK, ME

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G)

PRESERVATIVE USED

TYPE OF ANALYSIS

DATE YEAR 2004	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	PPL VOHS, BTEX, MTBE	PAHS	TRPH	EDB	LEAD	NITRATE + SULFATE	METHANE		COMMENTS
5/21	10:35	RR-MW-06-0504	RR-MW-06			GW	G	37	X	X	X	X	X	X	X		MS/MSD
	10:50	A824-MW-01-0504	A824-MW-01					13	X	X	X	X	X	X	X		
	13:20	A824-MW-02-0504	A824-MW-02					13	X	X	X	X	X	X	X		
	13:05	A824-MW-03-0504	A824-MW-03					13	X	X	X	X	X	X	X		
		KW-DUP-03-0504						13	X	X	X	X	X	X	X		
		KWTB-052104						2									TRIP BLANK

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Gary Braganza	5/21/04		1. RECEIVED BY Fed Ex		
2. RELINQUISHED BY Fed Ex			2. RECEIVED BY G. Brewer	05 22 04	10:20
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TtNUS-001

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WW1529

TETRA TECH NUS, INC. | **CHAIN OF CUSTODY** | **NUMBER** 3706 | **PAGE** 1 **OF** 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
N4779	NAS KEY WEST	EMILY McKEE	(803) 649-7963	KATHADIN - ANDREA COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Gary Braganza		GARY BRAGANZA	(561) 302-4137	340 COUNTY ROAD No. 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FEDEX / 8425 8908 8807		WESTBROOK, ME

STANDARD TAT ☑
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G G G P P G

PRESERVATIVE USED:

TYPE OF ANALYSIS

DATE YEAR 2004	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	PPL VOC's + MTBE	PAHs + BTEX	TRPH	EDB	LEAD	NITRATE + SULFATE	METHANE	COMMENTS
5/22	10:15	FC-MW-05-0504	FC-MW-05			GW	G	10	X	X	X	X	X			
↓	12:15	FC-MW-06-0504	FC-MW-06			↓	↓	10	X	X	X	X	X			
	10:30	FC-MW-22-0504	FC-MW-22					10	X	X	X	X	X			
↓		KW-DUP-01-0504						10	X	X	X	X	X			
5/24	14:00	G01-MW02-0504	G01-MW-02					13	X	X	X	X	X	X	X	
↓	09:40	G01-MW04-0504	G01-MW-04					13	X	X	X	X	X	X	X	
	13:35	G01-MW05-0504	G01-MW-05					13	X	X	X	X	X	X	X	
↓	9:15	G01-MW11-0504	G01-MW-11			↓	↓	13	X	X	X	X	X	X	X	
		KWTB-052404						2								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Gary Braganza	5/24/04		1. RECEIVED BY [signature]	5/25/04	0910
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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FORM NO. TtNUS-001

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HOLDTIME

SDG CTO301/318-1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	G01-MW05-0504	WU1529-007	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
M	UG/L	A824-MW-01-0504	WU1519-002	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	RR-MW-06-0504	WU1519-001	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	KW-DUP-03-0504	WU1519-005	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	KW-DUP-01-0504	WU1529-004	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	G01-MW-12-0504	WU1503-005	NM	05/20/2004	06/11/2004	06/15/2004	22	4	26
M	UG/L	G01-MW-10-0504	WU1503-004	NM	05/20/2004	06/11/2004	06/15/2004	22	4	26
M	UG/L	G01-MW04-0504	WU1529-006	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
M	UG/L	G01-MW-03-0504	WU1503-003	NM	05/20/2004	06/11/2004	06/15/2004	22	4	26
M	UG/L	G01-MW02-0504	WU1529-005	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
M	UG/L	FC-MW-22-0504	WU1529-003	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	FC-MW-06-0504	WU1529-002	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	FC-MW-05-0504	WU1529-001	NM	05/22/2004	06/11/2004	06/15/2004	20	4	24
M	UG/L	A824-MW-03-0504	WU1519-004	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25
M	UG/L	A824-MW-02-0504	WU1519-003	NM	05/21/2004	06/11/2004	06/15/2004	21	4	25

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	G01-MW11-0504	WU1529-008	NM	05/24/2004	06/11/2004	06/15/2004	18	4	22
NTA	MG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/21/2004	05/21/2004	1	0	1
NTA	MG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
NTA	MG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
NTA	MG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/21/2004	05/21/2004	1	0	1
NTA	MG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/21/2004	05/21/2004	1	0	1
NTA	MG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
NTA	MG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	RR-MW-06-0504	WU1519-1	NM	05/21/2004	05/22/2004	05/22/2004	1	0	1
NTA	MG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	05/26/2004	05/26/2004	2	0	2
SO4	MG/L	G01-MW11-0504	WU1529-8	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
SO4	MG/L	A824-MW-01-0504	WU1519-2	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	A824-MW-02-0504	WU1519-3	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	A824-MW-03-0504	WU1519-4	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	G01-MW02-0504	WU1529-5	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
SO4	MG/L	G01-MW-03-0504	WU1503-3	NM	05/20/2004	06/03/2004	06/03/2004	14	0	14
SO4	MG/L	G01-MW04-0504	WU1529-6	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
SO4	MG/L	G01-MW-10-0504	WU1503-4	NM	05/20/2004	06/03/2004	06/03/2004	14	0	14
SO4	MG/L	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	RR-MW-06-0504	WU1519-1	NM	05/21/2004	06/03/2004	06/03/2004	13	0	13
SO4	MG/L	G01-MW-12-0504	WU1503-5	NM	05/20/2004	06/07/2004	06/07/2004	18	0	18
SO4	MG/L	G01-MW05-0504	WU1529-7	NM	05/24/2004	06/17/2004	06/17/2004	24	0	24
OS	%	G01-MW-03-0504	WU1503-3	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	%	G01-MW-10-0504	WU1503-4	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	%	G01-MW-10-0504DL2	WU1503-4DL2	NM	05/20/2004	05/24/2004	06/18/2004	4	25	29
OS	%	G01-MW11-0504	WU1529-8	NM	05/24/2004	05/26/2004	06/16/2004	2	21	23
OS	%	G01-MW11-0504DL2	WU1529-8DL2	NM	05/24/2004	05/26/2004	06/18/2004	2	23	25
OS	%	G01-MW-12-0504	WU1503-5	NM	05/20/2004	05/24/2004	06/16/2004	4	23	27
OS	%	KW-DUP-01-0504	WU1529-4	NM	05/22/2004	05/26/2004	06/16/2004	4	21	25
OS	%	G01-MW05-0504DL2	WU1529-7DL2	NM	05/24/2004	05/26/2004	06/18/2004	2	23	25
OS	%	RR-MW-06-0504RA	WU1519-1RA	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	KW-DUP-03-0504	WU1519-5	NM	05/21/2004	05/25/2004	06/16/2004	4	22	26
OS	%	KW-DUP-01-0504DL2	WU1529-4DL2	NM	05/22/2004	05/26/2004	06/18/2004	4	23	27

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST; SDG: CTO301/318-1
WU1503, WU1519, WU1529
TASK ORDER MANAGER: EMILY MCREE

Sample Receipt

The following samples were received on May 21, 22 and 25, 2004 and were logged in under Katahdin Analytical Services work order numbers WU1503, WU1519 and WU1529 for a hardcopy due date of June 18, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU1503-1	B01-MW-01-0504
WU1503-2	B01-MW-03-0504
WU1503-3	G01-MW-03-0504
WU1503-4	G01-MW-10-0504
WU1503-5	G01-MW-12-0504
WU1519-1	RR-MW-06-0504
WU1519-2	A824-MW-01-0504
WU1519-3	A824-MW-02-0504
WU1519-4	A824-MW-03-0504
WU1519-5	KW-DUP-03-0504
WU1519-6	KWTB-052104
WU1529-1	FC-MW-05-0504
WU1529-2	FC-MW-06-0504
WU1529-3	FC-MW-22-0504
WU1529-4	KW-DUP-01-0504
WU1529-5	G01-MW02-0504
WU1529-6	G01-MW04-0504
WU1529-7	G01-MW05-0504
WU1529-8	G01-MW11-0504
WU1529-9	KWTB-052404

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Metals Analysis

The samples of Katahdin SDG CTO301/318-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. WU1503-(3-5), WU1519-(1-5), and WU1529-(1-8) were digested for ICP analysis on 06/11/04 (QC Batch UF11ICW1) in accordance with USEPA Method 3010A. Katahdin Sample No. WU1519-1 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG CTO301/318-1 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question with the following exception:

Matrix QC Summary

One or both of the matrix-spiked aliquots of Katahdin Sample No. WU1519-1 was within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for lead.

The matrix spike duplicate analysis of Katahdin Sample No. WU1519-1 was within the laboratory's acceptance limit (<20% relative difference between duplicate matrix spiked aliquots) for lead.

The serial dilution analyses of Katahdin Sample No. WU1519-1 was within the laboratory's ICP serial dilution acceptance limit (<10% difference between the original sample result and the result for a 5-fold dilution of the sample, if the result for the dilution is at least ten times the instrument detection limit) for lead.

Wet Chemistry Analysis

The samples of SDG CTO301/318-1 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for nitrate and sulfate were performed according "Methods for Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1979 Revised 1983, U.S. EPA.

All Wet Chemistry results were evaluated to Katahdin Analytical Services' Method Detection Limits (MDL). Measured concentrations that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U PQL", where "PQL" is the numerical value of the Practical Quantitation Limit.

All analyses were performed within analytical hold time. All quality control criteria were met with the following exceptions:

For Katahdin Sample Numbers WU1503-5 and WU1519-1, the matrix spike recovery (0%) for sulfate is outside the laboratory's acceptance criteria. In each of these cases, the sample concentration is more than ten times the amount of spike added.

No other deviations were noted by the Wet Chemistry group.

Subcontracted Analysis

Analyses for Methane/Ethane/Ethene were performed by a subcontract laboratory. Please refer to the section of the data package titled Subcontracted Data.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Deborah J. Nadeau
6-25-04

Deborah Nadeau
Operations Manager

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO301/318-1 **SOW No.** SW846

Client Field ID	Lab Sample ID
A824-MW-01-0504	WU1519-002
A824-MW-02-0504	WU1519-003
A824-MW-03-0504	WU1519-004
FC-MW-05-0504	WU1529-001
FC-MW-06-0504	WU1529-002
FC-MW-22-0504	WU1529-003
G01-MW-03-0504	WU1503-003
G01-MW-10-0504	WU1503-004
G01-MW-12-0504	WU1503-005
G01-MW02-0504	WU1529-005
G01-MW04-0504	WU1529-006
G01-MW05-0504	WU1529-007
G01-MW11-0504	WU1529-008
KW-DUP-01-0504	WU1529-004
KW-DUP-03-0504	WU1519-005
RR-MW-06-0504	WU1519-001
RR-MW-06-0504	WU1519-001P
RR-MW-06-0504	WU1519-001S

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

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

Signature: Molly Fabbricante Name: Molly Fabbricante

Date: 10-16-04 Title: Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: ICV

File: AUF15B Jun 15, 2004 10:41

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18810.68	94.1
CALCIUM	20000.0	20220.37	101.1
IRON	20000.0	19790.57	99.0
LEAD	550.0	524.17	95.3
MAGNESIUM	20000.0	21458.76	107.3

SAMPLE: CCV

File: AUF15B Jun 15, 2004 11:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48672.85	97.3
CALCIUM	50000.0	50156.66	100.3
IRON	20000.0	19733.90	98.7
LEAD	1000.0	974.69	97.5
MAGNESIUM	50000.0	50312.59	100.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: CCV

File: AUF15B Jun 15, 2004 12:42

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48121.77	96.2
CALCIUM	50000.0	50715.56	101.4
IRON	20000.0	19933.94	99.7
LEAD	1000.0	1011.51	101.2
MAGNESIUM	50000.0	50560.96	101.1

SAMPLE: CCV

File: AUF15B Jun 15, 2004 14:03

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48753.47	97.5
CALCIUM	50000.0	50891.66	101.8
IRON	20000.0	19973.92	99.9
LEAD	1000.0	999.32	99.9
MAGNESIUM	50000.0	50992.88	102.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: CCV

File: AUF15B Jun 15, 2004 15:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48256.58	96.5
CALCIUM	50000.0	51430.64	102.9
IRON	20000.0	20246.37	101.2
LEAD	1000.0	1030.03	103.0
MAGNESIUM	50000.0	51191.78	102.4

SAMPLE: CCV

File: AUF15B Jun 15, 2004 16:44

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48370.27	96.7
CALCIUM	50000.0	51387.57	102.8
IRON	20000.0	20132.32	100.7
LEAD	1000.0	1018.08	101.8
MAGNESIUM	50000.0	51108.97	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: CCV

File: AUF15B Jun 15, 2004 18:04

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48121.13	96.2
CALCIUM	50000.0	51148.10	102.3
IRON	20000.0	19854.29	99.3
LEAD	1000.0	999.40	99.9
MAGNESIUM	50000.0	50652.19	101.3

SAMPLE: CCV

File: AUF15B Jun 15, 2004 19:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	47466.20	94.9
CALCIUM	50000.0	50924.40	101.8
IRON	20000.0	19747.13	98.7
LEAD	1000.0	1010.65	101.1
MAGNESIUM	50000.0	50215.40	100.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: ICB

File: AUF15B Jun 15, 2004 10:48

Analyte	Result	C
ALUMINUM	25.97	B
CALCIUM	-3.73	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUF15B Jun 15, 2004 11:28

Analyte	Result	C
ALUMINUM	-77.45	B
CALCIUM	10.79	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	-10.17	B

SAMPLE: CCB

File: AUF15B Jun 15, 2004 12:49

Analyte	Result	C
ALUMINUM	34.06	B
CALCIUM	3.13	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: CCB

File: AUF15B Jun 15, 2004 14:09

Analyte	Result	C
ALUMINUM	98.42	B
CALCIUM	-8.23	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUF15B Jun 15, 2004 15:30

Analyte	Result	C
ALUMINUM	88.53	B
CALCIUM	-10.51	B
IRON	11.09	B
LEAD	1.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUF15B Jun 15, 2004 16:50

Analyte	Result	C
ALUMINUM	50.83	B
CALCIUM	-3.81	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Concentration Units: ug/L

SAMPLE: CCB

File: AUF15B Jun 15, 2004 18:11

Analyte	Result	C
ALUMINUM	45.56	B
CALCIUM	3.13	U
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U

SAMPLE: CCB

File: AUF15B Jun 15, 2004 19:31

Analyte	Result	C
ALUMINUM	70.05	B
CALCIUM	-4.74	B
IRON	10.70	U
LEAD	1.70	U
MAGNESIUM	7.52	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWUF11ICW1

Matrix: WATER **SDG Name:** CTO301318-1

QC Batch ID: UF11ICW1

Concentration Units : ug/L

Analyte	RESULT	C
LEAD	1.700	U

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** RR-MW-06-0504S

Matrix: WATER | **SDG Name:** CTO301318-1

Percent Solids: 0.00 | **Lab Sample ID:** WU1519-001P

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	510.6000		-0.1300	U	500	102.1		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** RR-MW-06-0504S

Matrix: WATER | **SDG Name:** CTO301318-1

Percent Solids: 0.00 | **Lab Sample ID:** WU1519-001S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	511.4500		-0.1300	U	500	102.3		75	125	P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWUF11ICW1

Matrix: WATER **SDG Name:** CTO301318-1

QC Batch ID: UF11ICW1

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	500.0	531.85	106.4	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 4/28/04

Concentration Units: ug/L

Analyte	CRDL	IDL	M
LEAD	5.0	1.70	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** UF11ICW1

Matrix: WATER **SDG Name:** CTO301318-1

Method: P **Prep Date:** 06/11/2004

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWUF11ICW1	LCSWUF11ICW1	0.05	0.05
PBWUF11ICW1	PBWUF11ICW1	0.05	0.05
G01-MW-03-0504	WU1503-003	0.05	0.05
G01-MW-10-0504	WU1503-004	0.05	0.05
G01-MW-12-0504	WU1503-005	0.05	0.05
RR-MW-06-0504	WU1519-001	0.05	0.05
RR-MW-06-0504P	WU1519-001P	0.05	0.05
RR-MW-06-0504S	WU1519-001S	0.05	0.05
A824-MW-01-0504	WU1519-002	0.05	0.05
A824-MW-02-0504	WU1519-003	0.05	0.05
A824-MW-03-0504	WU1519-004	0.05	0.05
KW-DUP-03-0504	WU1519-005	0.05	0.05
FC-MW-05-0504	WU1529-001	0.05	0.05
FC-MW-06-0504	WU1529-002	0.05	0.05
FC-MW-22-0504	WU1529-003	0.05	0.05
KW-DUP-01-0504	WU1529-004	0.05	0.05
G01-MW02-0504	WU1529-005	0.05	0.05
G01-MW04-0504	WU1529-006	0.05	0.05
G01-MW05-0504	WU1529-007	0.05	0.05
G01-MW11-0504	WU1529-008	0.05	0.05

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Instrument ID: TJA TRACE ICP **File Name:** AUF15B

Date: 6/15/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements		
S0		1	9:58	Al	Ca	Fe Pb Mg
S1		1	10:04	Al	Ca	Fe Pb Mg
AL_IEC		1	10:14	Al	Ca	Fe Pb Mg
FE_IEC		1	10:21	Al	Ca	Fe Pb Mg
MN_IEC		1	10:28	Al	Ca	Fe Pb Mg
IEC		1	10:34	Al	Ca	Fe Pb Mg
ICV		1	10:41	Al	Ca	Fe Pb Mg
ICB		1	10:48	Al	Ca	Fe Pb Mg
PQL		1	10:55	Al	Ca	Fe Pb Mg
CRI		1	11:01	Al	Ca	Fe Pb Mg
ICSA		1	11:08	Al	Ca	Fe Pb Mg
ICSAB		1	11:15	Al	Ca	Fe Pb Mg
CCV		1	11:21	Al	Ca	Fe Pb Mg
CCB		1	11:28	Al	Ca	Fe Pb Mg
ZZZZZZ		1	11:35			
ZZZZZZ		1	11:42			
ZZZZZZ		1	11:48			
ZZZZZZ		1	11:55			
ZZZZZZ		1	12:02			
ZZZZZZ		5	12:08			
ZZZZZZ		1	12:15			
ZZZZZZ		1	12:22			
ZZZZZZ		20	12:29			
ZZZZZZ		1	12:35			
CCV		1	12:42	Al	Ca	Fe Pb Mg
CCB		1	12:49	Al	Ca	Fe Pb Mg
ZZZZZZ		1	12:55			
ZZZZZZ		1	13:02			
ZZZZZZ		1	13:09			
ZZZZZZ		5	13:16			
ZZZZZZ		1	13:22			
ZZZZZZ		1	13:29			
ZZZZZZ		1	13:36			
ZZZZZZ		1	13:43			
ZZZZZZ		1	13:49			
ZZZZZZ		1	13:56			
CCV		1	14:03	Al	Ca	Fe Pb Mg
CCB		1	14:09	Al	Ca	Fe Pb Mg
ZZZZZZ		1	14:16			
ZZZZZZ		1	14:23			
ZZZZZZ		5	14:29			
ZZZZZZ		1	14:36			
ZZZZZZ		1	14:43			
ZZZZZZ		1	14:50			
ZZZZZZ		1	14:56			
CRI		1	15:03	Al	Ca	Fe Pb Mg
ICSA		1	15:10	Al	Ca	Fe Pb Mg
ICSAB		1	15:16	Al	Ca	Fe Pb Mg
CCV		1	15:23	Al	Ca	Fe Pb Mg
CCB		1	15:30	Al	Ca	Fe Pb Mg

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO301318-1

Instrument ID: TJA TRACE ICP **File Name:** AUF15B

Date: 6/15/04 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		1	15:37							
ZZZZZZ		1	15:43							
ZZZZZZ		1	15:50							
ZZZZZZ		5	15:57							
ZZZZZZ		1	16:03							
ZZZZZZ		1	16:10							
PBWUF11ICW1		1	16:17					Pb		
LCSWUF11ICW1		1	16:23					Pb		
WU1503-003	G01-MW-03-0504	1	16:30					Pb		
WU1503-004	G01-MW-10-0504	1	16:37					Pb		
CCV		1	16:44	Al		Ca	Fe	Pb	Mg	
CCB		1	16:50	Al		Ca	Fe	Pb	Mg	
WU1503-005	G01-MW-12-0504	1	16:57					Pb		
WU1519-001	RR-MW-06-0504	1	17:04					Pb		
WU1519-001L	RR-MW-06-0504L	5	17:11					Pb		
WU1519-001P	RR-MW-06-0504P	1	17:17					Pb		
WU1519-001S	RR-MW-06-0504S	1	17:24					Pb		
WU1519-002	A824-MW-01-0504	1	17:31					Pb		
WU1519-003	A824-MW-02-0504	1	17:37					Pb		
WU1519-004	A824-MW-03-0504	1	17:44					Pb		
WU1519-005	KW-DUP-03-0504	1	17:51					Pb		
WU1529-001	FC-MW-05-0504	1	17:58					Pb		
CCV		1	18:04	Al		Ca	Fe	Pb	Mg	
CCB		1	18:11	Al		Ca	Fe	Pb	Mg	
WU1529-002	FC-MW-06-0504	1	18:18					Pb		
WU1529-003	FC-MW-22-0504	1	18:24					Pb		
WU1529-004	KW-DUP-01-0504	1	18:31					Pb		
WU1529-005	G01-MW02-0504	1	18:38					Pb		
WU1529-006	G01-MW04-0504	1	18:45					Pb		
WU1529-007	G01-MW05-0504	1	18:51					Pb		
WU1529-008	G01-MW11-0504	1	18:58					Pb		
CRI		1	19:05	Al		Ca	Fe	Pb	Mg	
ICSA		1	19:11	Al		Ca	Fe	Pb	Mg	
ICSAB		1	19:18	Al		Ca	Fe	Pb	Mg	
CCV		1	19:25	Al		Ca	Fe	Pb	Mg	
CCB		1	19:31	Al		Ca	Fe	Pb	Mg	

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Quality Control Report

Blank Sample Summary Report

Nitrate As N

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG7713	EPA 353.2	21-MAY-04	N/A	U 0.050 mg/L	.05 mg/L

Sulfate-Turbidimetric

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG7981	EPA 375.4	03-JUN-04	N/A	U 1.0 mg/L	1 mg/L
MBLANK	WG8051	EPA 375.4	07-JUN-04	N/A	U 1.0 mg/L	1 mg/L

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Quality Control Report

Blank Sample Summary Report

Nitrate As N

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG7736	EPA 353.2	22-MAY-04	N/A	U 0.050 mg/L	.05 mg/L

Sulfate-Turbidimetric

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG7981	EPA 375.4	03-JUN-04	N/A	U 1.0 mg/L	1 mg/L

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Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG7789	EPA 353.2	26-MAY-04	N/A	U 0.050 mg/L	.05 mg/L

Sulfate-Turbidimetric

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG8204	EPA 375.4	17-JUN-04	N/A	U 1.0 mg/L	1 mg/L

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Laboratory Control Sample Summary Report

Nitrate As N

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG7713-2	LCS	WG7713	21-MAY-04	N/A	mg/L	1	0.94	94	80-120	

Sulfate-Turbidimetric

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG7981-2	LCS	WG7981	03-JUN-04	N/A	mg/L	15	15.	102	80-120	
WG8051-2	LCS	WG8051	07-JUN-04	N/A	mg/L	15	16.	106	80-120	

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Nitrate As N

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG7736-2	LCS	WG7736	22-MAY-04	N/A	mg/L	1	0.90	90	80-120	

Sulfate-Turbidimetric

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG7981-2	LCS	WG7981	03-JUN-04	N/A	mg/L	15	15.	102	80-120	

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Laboratory Control Sample Summary Report

Nitrate As N

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG7789-2	LCS	WG7789	26-MAY-04	N/A	mg/L	1	0.93	93	80-120	

Sulfate-Turbidimetric

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG8204-2	LCS	WG8204	17-JUN-04	N/A	mg/L	15	14.	94	80-120	

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Quality Control Report

Matrix Spike Sample Summary Report

Sulfate-Turbidimetric

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG8051-6	MS	WU1503-5	WG8051	07-JUN-04	mg/L	10	460	400	0*	75 - 125

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Quality Control Report

Matrix Spike Sample Summary Report

Nitrate As N

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG7736-3	MS	WU1519-1	WG7736	22-MAY-04	mg/L	.5	J 0.014	0.59	115	75 - 125
WG7736-4	MSD	WU1519-1	WG7736	22-MAY-04	mg/L	.5	J 0.014	0.56	109	75 - 125

Sulfate-Turbidimetric

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG7981-6	MS	WU1519-1	WG7981	03-JUN-04	mg/L	10	230	220	0*	75 - 125

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Matrix Spike Sample Summary Report

Nitrate As N

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG7789-4	MS	WU1529-5	WG7789	26-MAY-04	mg/L	.5	J 0.034	0.57	106	75 - 125

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FIELD DUPLICATE PRECISION

ANALYTE	KW-DUP-01-0504	FC-MW-22-0504	RPD	DIFFERENCE
Lead	42.9	43.1	0.47	0.2

ANALYTE	KW-DUP-03-0504	A824-MW-01-0504	RPD	DIFFERENCE
Lead	1.7U	1.7U	#VALUE!	#VALUE!
Nitrate	0.05U	0.05U	#VALUE!	#VALUE!
Sulfate	46	28	48.65	18