N00213.AR.001188
NAS KEY WEST
5090.3a

BOCA CHICA HAWK MISSILE SITE B-01 MONITORED NATURAL ATTENUATION REPORT
FEBRUARY 2004 WITH TRANSMITTAL NAS KEY WEST FL
4/14/2004
TETRA TECH

TETRA TECH NUS, INC.

AIK-04-0065

April 14, 2004

Project Number N4779 *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. 0318

Subject: Boca Chica Hawk Missile Site B-01 Monitored Natural Attenuation Report February 2004, Rev. 0, Naval Air Station, Key West, Florida

Dear Mr. Glover:

TtNUS is pleased to submit the enclosed PDF file for the final Boca Chica Hawk Missile Site B-01 Monitored Natural Attenuation Report February 2004, Rev. 0, Naval Air Station, Key West, Florida. As you requested, a copy of this plan is being sent to the Florida Department of Environmental Control (FDEP) for informational purposes only. I am not expecting to receive any comments on this plan.

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

Sincerely,

C. M. Bryan
Project Manager

CMB:spc

Enclosure

c: Ms. Debbie Wroblewski (Cover Letter Only)
Mr. M. Perry/File
File N4779-7.2.2
Mr. R. Courtright, NAS Key West
Mr. E. Barham, NAS Key West
Ms. T. Vaught, FDEP

900 Trail Ridge Road, Aiken, South Carolina 29803
Tel 803.649.7963 Fax 803.642.8454
www.tetratech.com

Boca Chica Hawk Missile Site B-01 Monitored Natural Attenuation Report February 2004

Naval Air Station
Key West, Florida

Southern Division

Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0318

April 2004

Rev. 0
04/14/04

BOCA CHICA HAWK MISSILE SITE B-01
MONITORED NATURAL ATTENUATION REPORT
FEBRUARY 2004

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 0318

APRIL 2004

PREPARED UNDER THE SUPERVISION OF:

CHUCK BRYAN
TASK ORDER MANAGER
TETRA TECH NUS, INC.
AIKEN, SOUTH CAROLINA

APPROVED FOR SUBMITTAL BY:

Debra M Wroblewski

DEBBIE WROBLEWSKI
PROGRAM MANAGER
TETRA TECH NUS, INC.
PITTSBURGH, PENNSYLVANIA

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ACRONYMS/ABBREVIATIONS

AST	Aboveground storage tank
AVGAS	Aviation Gasoline
BBL	Blasland, Bouck, and Lee, Inc.
CLEAN	Comprehensive Long-Term Environmental Action Navy
CTO	Contract Task Order
FDEP	Florida Department of Environmental Protection
GCTL	Groundwater cleanup target level
KAG	Kerosene analytical group
µg/L	Micrograms per liter
MNA	Monitored Natural Attenuation
NAMPAO	Natural Attenuation Monitoring Plan Approval Order
NAVFAC EFD SOUTH	Southern Division, Naval Facilities Engineering Command
NAS	Naval Air Station
NFA	No further action
NOAA	National Oceanic and Atmospheric Administration
OVA	Organic vapor analyzer
PAH	Polynuclear aromatic hydrocarbon
ppm	Parts per million
SAR	Site Assessment Report
SCTL	Soil cleanup target level
TOC	Top of casing
TtNUS	Tetra Tech NUS, Inc.

1.0 BOCA CHICA HAWK MISSILE SITE 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 Boca Chica Hawk Missile Site B-01, Naval Air Station (NAS) Key West, Florida. This MNA Report has been prepared under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract Number N62467-94-D-0888, Contract Task Order (CTO) number 0318. This report presents groundwater monitoring results for February 2004.

1.1 SITE HISTORY OVERVIEW

Boca Chica Hawk Missile Site B-01 is located on the northern end of Boca Chica Key (Figure 1-1). The site has been abandoned with the exception of a tower operated by the National Oceanic and Atmospheric Administration (NOAA) and an associated emergency generator with 1,000-gallon aboveground storage tank (AST). The AST, which contains jet propellant fuel (JP-5), is located approximately 250 feet from the study area. The site layout is shown on Figure 1-2.

1.1.1 History of Assessment Activities

A 2,000-gallon AST and a 500-gallon AST were removed from the site on April 14, 1996. These tanks were used to store diesel fuel for the site's emergency generators. They may have also been used to store JP-5 fuel on occasion. The Closure Report indicated that the soil and groundwater in the vicinity of the 2,000-gallon AST showed signs of petroleum contamination, and recommended that a Contamination Assessment be performed. The Navy submitted a Closure Assessment Form to the Florida Department of Environmental Protection (FDEP) on June 17, 1996 [Blasland, Bouck, and Lee (BBL), 2002].

A site assessment was conducted by BBL and a Site Assessment Report (SAR) was submitted to FDEP in February 2002. Concentrations of Kerosene Analytical Group (KAG) constituents in soil were below soil cleanup target levels (SCTLs), and organic vapor analyzer (OVA) readings did not exceed 10 parts per million (ppm). Polynuclear aromatic hydrocarbons (PAHs) were detected above Groundwater Cleanup Target Levels (GCTLs) in groundwater from monitoring wells B01-MW-01 and -03. However, no other KAG constituents were detected above GCTLs. BBL recommended that MNA take place at the site, to include monitoring of groundwater from two wells for PAHs (BBL, 2002). FDEP approved the SAR and issued a Natural Attenuation Monitoring Plan Approval Order (NAMPAO) on May 3, 2002 (Appendix A).

1.2 GROUNDWATER MONITORING

TtNUS conducted the second quarterly groundwater monitoring event in February 2004 as specified in the MNA Sampling Plan for Boca Chica Hawk Missile Site B-01 (TtNUS, 2003). Water levels were measured in all monitoring wells at the site. 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 and to provide groundwater elevation contours. Based on these elevations, radial flow towards B01-MW-01 was observed at the time of the February 2004 sampling event. Figure 1-3 depicts the groundwater elevations and contours recorded on February 5, 2004. The TOC elevations, depth to water measurements, and groundwater elevations are summarized in Table 1-1.

Groundwater samples were collected from two monitoring wells, B01-MW-01 and B01-MW-03, for PAH analysis, as specified in the NAMPAO issued by FDEP (Appendix A). Low-flow purging and sampling techniques and the pump and vacuum trap method were used for groundwater sample collection. Groundwater sample log sheets for February 2004, which detail the purge process, are provided in Appendix B.

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 for PAH analysis. Validation reports are included in Appendix C.

PAH constituents were not detected in groundwater samples collected from either monitoring well at Boca Chica Hawk Missile Site in February 2004. Figure 1-4 shows groundwater analytical results for November 2003 and February 2004.

1.3 CONCLUSIONS AND RECOMMENDATIONS

For the second quarterly event, PAH constituents in groundwater from Boca Chica Hawk Missile Site have been below GCTLs. Two PAHs, 1-methylnapthalene and naphthalene, were detected in groundwater collected from B01-MW-01 in November 2003, but were below GCTLs. PAHs have not been detected in groundwater collected from monitoring well B01-MW-03 during either sampling event. PAHs were not detected in B01-MW-01 in February 2004.

One additional sampling event in May 2004 is recommended. If May 2004 results indicate that PAH constituents in groundwater at Boca Chica Hawk Missile Site are below GCTLs, no further action (NFA) will be proposed for the site.

TABLE 1-1

TOTAL DEPTHS, TOP OF CASING ELEVATIONS, AND WATER TABLE ELEVATIONS
MNA REPORT
BOCA CHICA HAWK MISSILE SITE B01
NAVAL AIR STATION
KEY WEST, FLORIDA

Well ID	Date	Total Depth (ft)	Top of Casing Elevation (ft)	Depth-to-water (ft below TOC)	Groundwater Elevation (ft)
B01-MW-01	02/05/2004	11.38	5.70	4.05	1.65
B01-MW-02	02/05/2004	11.10	5.64	3.98	1.66
B01-MW-03	02/05/2004	11.38	5.61	3.93	1.68
B01-MW-04	02/05/2004	11.46	5.53	3.79	1.74
B01-MW-05	02/05/2004	11.45	5.58	3.79	1.79

Top of Casing (TOC) Elevations were surveyed by Donaldson, Garrett, and Associates in August 2003. Vertical datum is National Geodetic Vertical Datum of 1929 (NGVD 29).

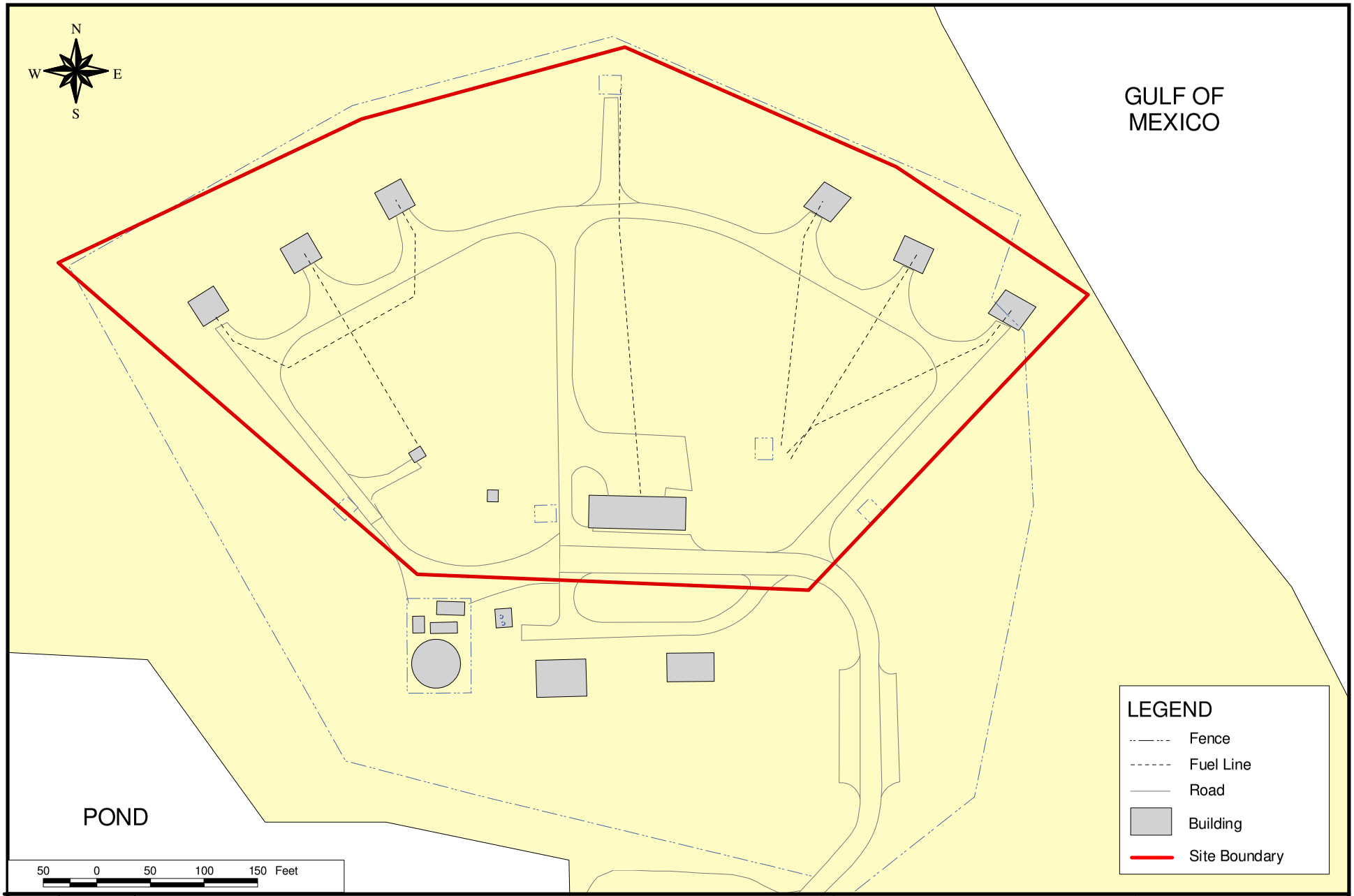
NO.	DATE	REVISIONS

DRAWN BY	DATE
EHM	04/09/2004
CHECKED BY	DATE
PC	04/12/2004
COST/SCHED-AREA	
SCALE	
AS NOTED	

BOCA CHICA HAWK MISSILE SITE B-01
MNA REPORT, FEBRUARY 2004
SITE LOCATION
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO.	
4779	
APPROVED BY	DATE
CMB	04/14/2004
APPROVED BY	DATE
FIGURE NO.	REV.
1-1	0

K:\BOCA CHICA HAWK MNA REPORT.APR LAYOUT: FIGURE 1-1 SITE LOCATION FEB04 BY:EHM DATE: 04/09/2004



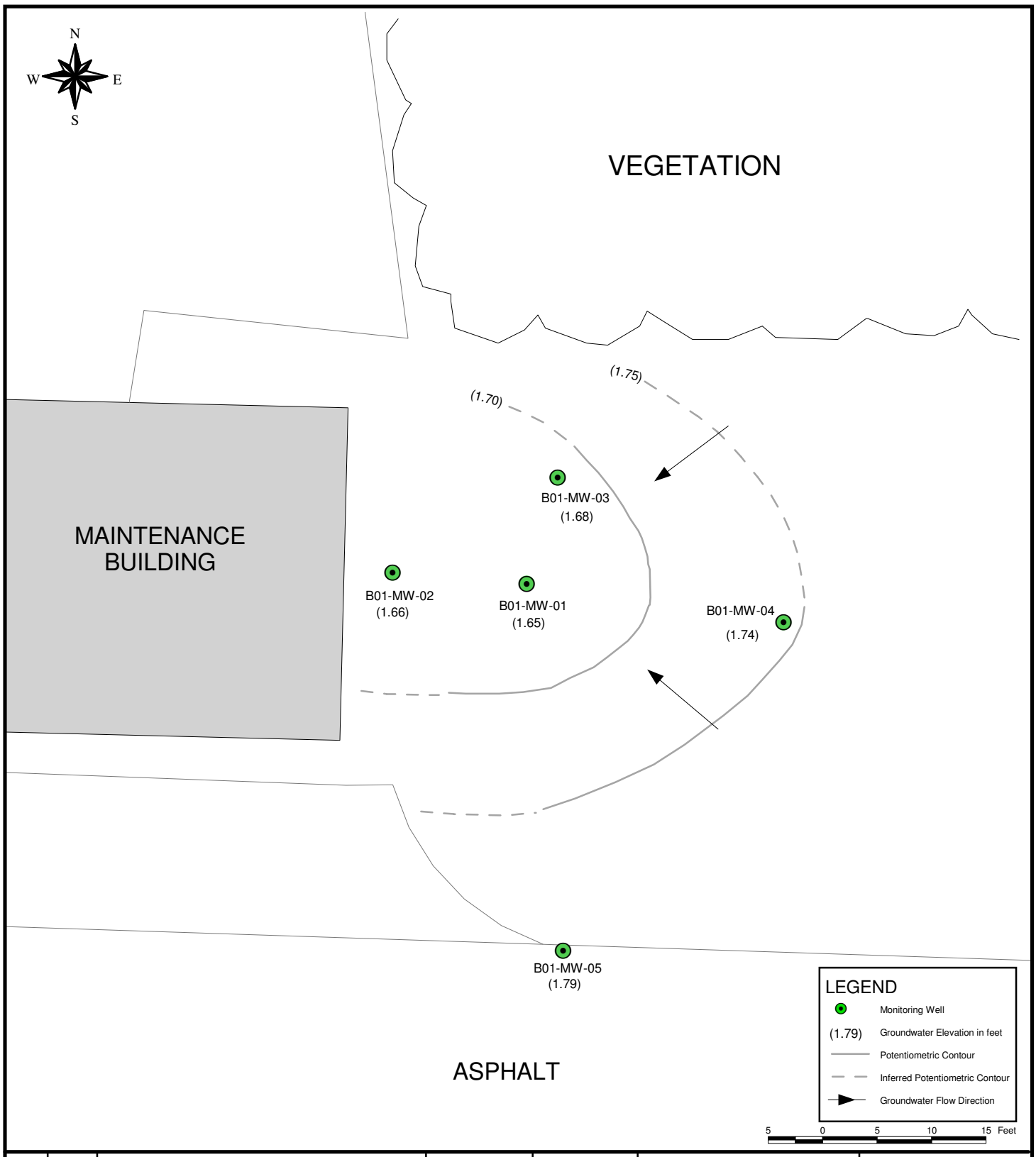
NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 04/08/2004
CHECKED BY PC	DATE 04/12/2004
COST/SCHED-AREA	
SCALE AS NOTED	

BOCA CHICA HAWK MISSILE SITE B-01
MNA REPORT
SITE LAYOUT
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO. 4779	
APPROVED BY CMB	DATE 04/14/2004
APPROVED BY	DATE
FIGURE NO. 1-2	REV. 0

K:\BOCA HICA HAWK MNA REPORT.APR LAYOUT: FIGURE 1-2 SITE LAYOUT FEB04 BY: EHM DATE: 04/08/2004



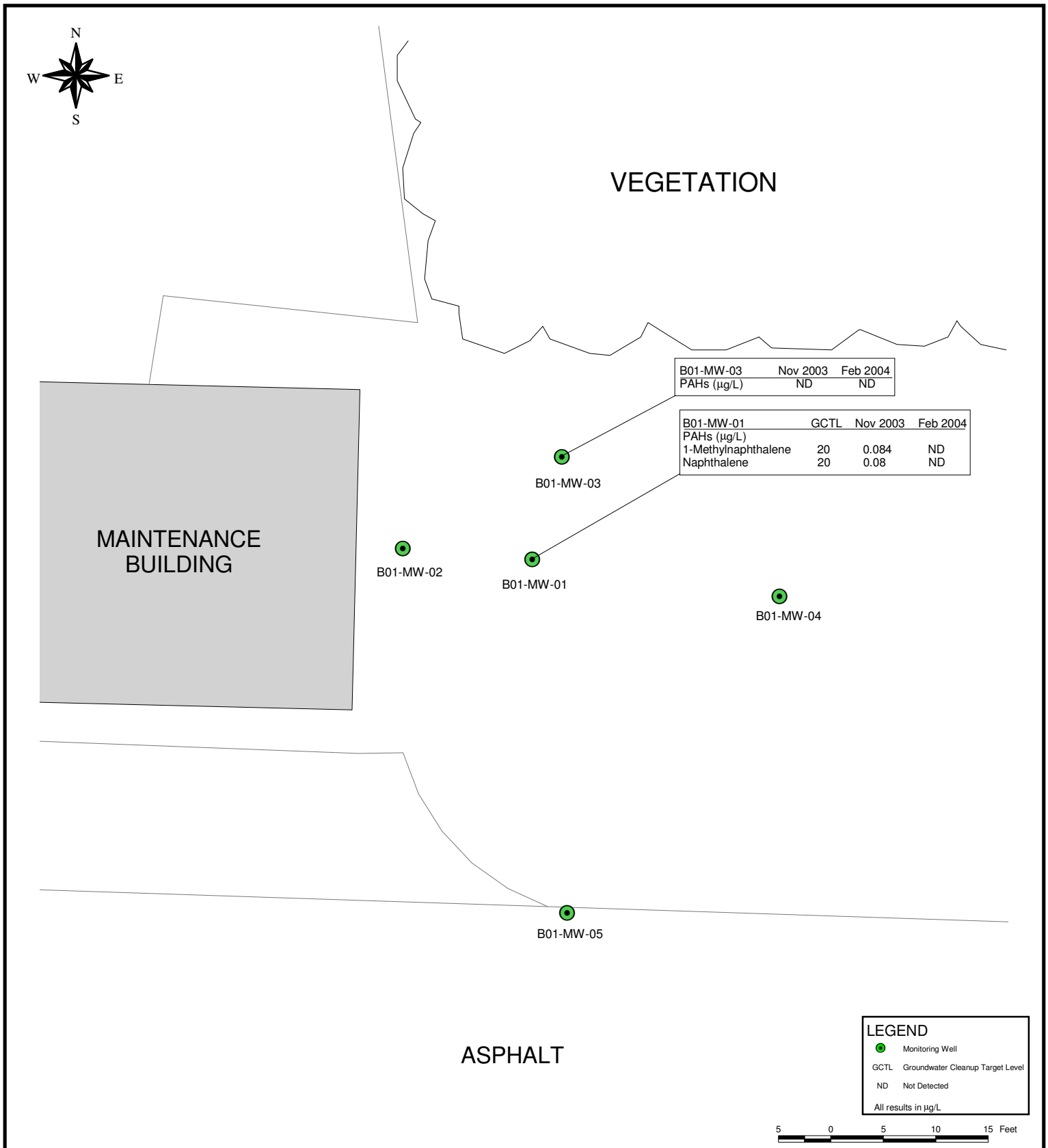
NO.	DATE	REVISIONS

DRAWN BY EHM	DATE 04/13/2004
CHECKED BY PC	DATE 04/13/2004
COST/SCHED-AREA	
SCALE AS NOTED	

BOCA CHICA HAWK MISSILE SITE B-01
MNA REPORT, FEBRUARY 2004
GROUNDWATER ELEVATION MAP
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO. 4779	
APPROVED BY CMB	DATE 04/14/2004
APPROVED BY	DATE
FIGURE NO. 1-3	REV. 0

K:\BOCA CHICA HAWK MNA REPORT.APR LAYOUT: FIGURE 1-3 GW ELEV FEB04 BY:EHM DATE: 04/13/2004



B01-MW-03	Nov 2003	Feb 2004
PAHs (µg/L)	ND	ND

B01-MW-01	GCTL	Nov 2003	Feb 2004
PAHs (µg/L)			
1-Methylnaphthalene	20	0.084	ND
Naphthalene	20	0.08	ND

NO.	DATE	REVISIONS

DRAWN BY EHM DATE 04/13/2004
CHECKED BY PC DATE 04/13/2004
COST/SCHED-AREA
SCALE AS NOTED

BOCA CHICA HAWK MISSILE SITE B-01
MNA REPORT, FEBRUARY 2004
ANALTYICAL RESULTS
NAVAL AIR STATION
KEY WEST, FLORIDA

CONTRACT NO. 4779
APPROVED BY CMB DATE 04/14/2004
APPROVED BY ____ DATE ____
FIGURE NO. 1-4
REV. 0

K:\BOCA CHICA HAWK MNA REPORT.APR LAYOUT: FIGURE 1-4 ANAL RESULT FEB04 BY:EHM DATE: 04/13/2004

REFERENCES

BBL (Blasland, Bouck & Lee, Inc.). 2002. Site Assessment Reports, Former Hawk Missile Sites, Site G-01 – Geiger Key, Site B-01 – Boca Chica Key. Prepared for Naval Air Station Key West Public Works Department, Florida. February.

TtNUS (Tetra Tech NUS, Inc.). 2003. Abbreviated Contamination Assessment Plan for Site A-824 and Geiger Key Hawk Missile Site G-01; Monitored Natural Attenuation Sampling Plan for Boca Chica Hawk Missile Site B-01. Prepared for Department of the Navy, Southern Division Naval Facilities Engineering Command, Aiken, South Carolina. November.

TtNUS (Tetra Tech NUS, Inc.). 2004. Boca Chica Hawk Missile Site B-01 Monitored Natural Attenuation Report, November 2003. Prepared for Department of the Navy, Southern Division Naval Facilities Engineering Command, Aiken, South Carolina. February.

APPENDIX A

NATURAL ATTENUATION MONITORING PLAN APPROVAL ORDER

Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

May 3, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Byas Glover
Code 18410
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29419-9010

Subject: Natural Attenuation Monitoring Plan Approval Order
Former Hawk Missile Sites
Site B-01 Boca Chica Key
Key West, Florida
FDEP Facility ID# None

Dear Mr. Glover:

The Bureau of Waste Cleanup has completed the review of Natural Attenuation Monitoring Plan dated February 2002 (received February 27, 2002), submitted for the petroleum product discharge discovered at this site. Pursuant to Rule 62-770.690, Florida Administrative Code (F.A.C.), the Department of Environmental Protection (Department) approves the Natural Attenuation Monitoring Plan Pursuant to Rule 62-770.690(7), F.A.C., you are required to complete the monitoring program outlined below. The first sampling event should be performed within 60 days of receipt of this Natural Attenuation Monitoring Plan Approval Order (Order). Water-level measurements should be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody, cumulative summary table of the analytical results, site map(s) illustrating the most recent analytical results, and the water-level elevation information (cumulative summary table and most recent flow interpretation map), must be submitted to the Department within 60 days of sample collection.

The monitoring wells to be sampled, the sampling parameters, and the sampling frequency for the first year are as follows:

Monitoring Wells	Contaminants of Concern	Frequency	Duration
MW-1, 3 and 5	PAHs	Semiannually	2 years

The approved Remedial Action by Natural Attenuation monitoring period is two years. The sampling frequency will be evaluated following the submittal of the first annual report to determine whether semiannual or annual sampling may be appropriate.

If concentrations of contaminants of concern in any of the designated wells increase above the action levels listed below, the well or wells must be resampled no later than 30 days after the initial

positive results are known. If the results of the resampling confirm the initial sampling results, then a proposal as described in Rule 62-770.690(7)(f), F.A.C., must be submitted to the Department.

Contaminated wells:

MW-1 and MW-3: 20 µg/L Benzo(b)fluoranthene, 20 ug/L Benzo(a) pyrene, 20 ug/L Dibenz(a,h) anthracene and 20 ug/L Indeno(1,2,3-cd)pyrene.

Perimeter well (temporary point of compliance):

MW-5: 0.2 µg/L Benzo(b)fluoranthene, 0.2 ug/L Benzo(a) pyrene, 0.2 ug/L Dibenz(a,h) anthracene and 0.2 ug/L Indeno(1,2,3-cd)pyrene.

If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are met at the end of the monitoring period, a Site Rehabilitation Completion Report, summarizing the monitoring program and containing documentation supporting the opinion that the cleanup objectives have been achieved, must be submitted as required in Rule 62-770.690, F.A.C. If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are not met following two years of monitoring, then a report summarizing the monitoring program must be submitted, including a proposal as described in Rule 62-770.690(7), F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about the Monitoring Plan Approval Order you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following:

(1) File a petition for administrative hearing with the Department's Office of General Counsel within 21 days of receipt of this Order; or

(2) File a request for an extension of time to file a petition for hearing with the Department's Office of General Counsel within 21 days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) in

the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Mr. Byas Glover, shall mail a copy of the request to Mr. Byas Glover at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Mr. Byas Glover, shall mail a copy of the petition to Mr. Byas Glover at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
(d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
(e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35,

Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your Natural Attenuation Monitoring Plan should be directed to Tracie L. Vaught at (850) 921-9988. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 488-9314. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely,

Douglas A. Jones, Chief
Bureau of Waste Cleanup
Division of Waste Management

DAJ/tlv

File

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt
of which is hereby acknowledged.

Clerk (or Deputy Clerk) — Date 5/3/02

APPENDIX B

LOG SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NAS KW - Boca Chica Hawk
Project No.: CTO 318/ N4779
Location: NAS KW, Florida
Personnel: Emily McRee, Gary Braganza
Weather Conditions: clear 75°F
Measuring Device: Heron WLM, 100'
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
B01-MW-01	2/5/04	1235	5.7	11.38	4.05	—	1.65	Obstruction in well
B01-MW-02		1231	5.64	11.10	3.98	—	1.66	
B01-MW-03		1237	5.61	11.38	3.93	—	1.68	
B01-MW-04		1238	5.53	11.46	3.79	—	1.74	
B01-MW-05		1240	5.58	11.45	3.79	—	1.79	
	Was	able	to push	through	for WL	measurements		

Emily McRee

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - Boca Chica Hawk
Project No.: CTO 318/N4779

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

Sample ID No.: B01-MW-01-0204
Sample Location: B01-MW-01
Sampled By: Emily McRee
C.O.C. No.: 3884
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date: 2/5/04	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time: 1450								
Method: peristaltic-low flow	clear	7.05	0.198	25.8	182	1.5	0.1	

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

Date: 2/5/04	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other Time
Method: peristaltic-low flow	2.0 gal	6.98	0.213	26.0	805	2.65	0.1	1340
Monitor Reading (ppm): 0.0	2.25 gal	6.99	0.217	25.9	559	3.65	0.1	1345
Well Casing Diameter & Material	2.5 gal	7.00	0.214	26.0	454	3.28	0.1	1350
Type: 2" PVC	2.75	7.01	0.213	25.9	386	3.05	0.1	1355
Total Well Depth (TD): 11.38	3.0	7.02	0.212	25.9	339	2.72	0.1	1400
Static Water Level (WL): 4.05	3.25	7.03	0.209	26.0	293	2.51	0.1	1405
One Casing Volume(gal/L): 1.17	3.5	7.02	0.212	26.1	267	2.38	0.1	1410
Start Purge (hrs): 1315	3.75	7.03	0.207	26.2	253	2.26	0.1	1415
End Purge (hrs): 1445	4.0	7.03	0.206	26.2	231	2.12	0.1	1420
Total Purge Time (min): 90	4.25	7.03	0.205	26.0	212	1.98	0.1	1425
Total Vol. Purged (gal/L): 5.25	4.5	7.04	0.203	26.0	195	1.84	0.1	1430

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
~~PPL VOHs, BTEX, MTBE~~	~~HCl~~	~~3x40mL~~	
PAH	—	2x1L amber	✓

OBSERVATIONS / NOTES:

- Obstruction identified in monitoring well, water level stable at 6.35' bTOC — used branch to push through obstruction (pine needles?) - water very turbid, pumped for 15 minutes at full speed to clear water, still not very clear
- well screen partially submerged

@25.9°C, 20% sat DO = 1.626

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Emily McRee

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST - ~~Geiger Key~~ Boca Chica Hawk
Project No.: CTO 318/4779

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

Sample ID No.: B01-MW-01-0204
Sample Location: B01-MW-01
Sampled By: Emily McRee
C.O.C. No.: 3884
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA:

Date:	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (^{0}C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Time:								
Method:	See page 1							

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

Date: 2/5/04	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method:	4.75	7.04	0.202	25.9	185	1.72	0.1	1435
Monitor Reading (ppm):	5.0	7.04	0.199	25.9	185	1.62	0.1	1440
Well Casing Diameter & Material	5.25	7.05	0.198	25.8	182	1.50	0.1	1445
Type:								
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

See page 1 of 2

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
~~PPL VOHs, BTEX, MTBE~~	~~HCl~~	~~3x40mL~~	
PAH	—	2x1L amber	✓

OBSERVATIONS / NOTES:

1.17
5
5.85 gal = 5 well volumes
- turbidity would not drop ~20, waited for stabilization + sampled

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): Emily McRee

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NAS KEY WEST -
Project No.: N4779

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

Sample ID No.: B01-MW-03-0204
Sample Location: B01-MW-03
Sampled By: BC
C.O.C. No.: 3884
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: 2/5/04								
Time: 1355								
Method: peri. pump	clear	6.31	0.401	26.06	32.2	0.77	0.20	

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

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 2/5/04								
Method: peri. pump	INT	6.18	0.421	26.52	109.0	3.50	0.22	1300
Monitor Reading (ppm): 6.1	1.0	6.16	0.406	25.66	181.0	0.49	0.21	1310
Well Casing Diameter & Material	1.5	6.21	0.402	25.75	144.0	0.59	0.21	1315
Type: 2" PVC	2.0	6.25	0.404	25.86	85.4	0.66	0.21	1320
Total Well Depth (TD): 11.38	2.5	6.27	0.401	25.87	56.9	0.68	0.21	1325
Static Water Level (WL): 3.85	3.0	6.30	0.402	25.91	28.7	0.68	0.21	1330
One Casing Volume(gal/L): 1.2	3.5	6.33	0.403	26.00	22.6	0.69	0.20	1335
Start Purge (hrs): 1300	4.0	6.33	0.404	26.02	17.4	0.78	0.21	1340
End Purge (hrs): 1355	4.5	6.32	0.400	26.09	20.3	0.74	0.21	1345
Total Purge Time (min): 55	5.0	6.31	0.402	26.04	19.3	0.79	0.21	1350
Total Vol. Purged (gal/L): 5.5	5.5	6.31	0.401	26.06	32.2	0.77	0.20	1355

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
~~PPL VOHs, BTEX, MTBE~~ BC	~~HCl~~	~~3x40mL~~ BC	
PAH		2 x 1L amber	2

OBSERVATIONS / NOTES:

Turb. began to rise, sample was collected b/c all parameters appeared stable

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

APPENDIX C

VALIDATION REPORTS

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**C. BRYAN**	**DATE:**	**APRIL 2, 2004**
FROM:	**SETH C. STAFFEN**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOA / PAH / TPH / OVG**
CTO 318 NAS KEY WEST
SDG: 2974

SAMPLES: 19/AQUEOUS

G01-MW-01-0204	G01-MW-01A-0204	G01-MW-02-0204
G01-MW-03-0204	G01-MW-04-0204	G01-MW-05-0204
G01-MW-06-0204	G01-MW-07-0204	G01-MW-08-0204
G01-MW-09-0204	G01-MW-10-0204	G01-MW-11-0204
G01-MW-12-0204	KW-DUP-02-0204	KWTB-020404
KWTB-020604	TB-020504	B01-MW-010204
B01-MW-03-0204		

OVERVIEW

The sample set for CTO 318, NAS Key West, SDG 2974 consists of sixteen (16) aqueous environmental samples and three (3) trip blanks. All samples except for the trip blanks, B01-MW-01-0204, and B01-MW03-0204 were analyzed for volatile organic compounds,1,2-dibromoethane, polynuclear aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPH), and organic volatile gas - methane. B01-MW-01-0204 and B01-MW03-0204 were analyzed for PAHs only. The trip blanks (KWTB-020404, KWTB-020604, TB-020504) were analyzed for volatile organic compounds only excluding 1,2-dibromoethane. One field duplicate pair was included in this SDG: G01-MW-11-0204 / KW-DUP-02-0204.

The samples were collected by Tetra Tech NUS on February 4th-6th, 2004 and analyzed by Katahdin Analytical Services and Air Toxics Ltd. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8270C-SIM, Florida PRO, EPA 504.1, and RSK 175 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
• Initial and continuing calibration/recoveries
• Laboratory method blank results
* • Field duplicate precision
• Detection limits

The symbol (*) indicates that all 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. Results as reported by the laboratory are presented in Appendix B.

The text of this report is formulated to address only gross non-compliances resulting in the rejection of data and the elimination of false positives.

VOLATILE

The following compounds were detected in the laboratory method blank at the maximum concentrations indicated below:

Compound	Concentration	Action Level
Toluene	0.2 ug/L	1.0 ug/L
Methylene chloride	5.0 ug/L	50 ug/L
Chloroform	0.9 ug/L	4.5 ug/L

Blank Actions

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

An action level of 10X (methylene chloride) and 5X (other contaminants) the maximum contaminant concentrations were established to evaluate laboratory contamination. Dilution factors and sample aliquots were taken into consideration during the application of all action levels. Positive results below the action level were qualified as nondetected, U.

The continuing calibration on 2/10/04 at 0741 contained a percent difference (%D) that exceeded the 25% quality control limit for bromomethane on instrument GCMS-S. No qualification action was taken because the noncompliance was not a gross exceedance (< 90%) and the reported results were nondetects.

The continuing calibration on 2/12/04 at 0758 contained a percent difference (%D) that exceeded the 25% quality control limit for bromomethane on instrument GCMS-S. No qualification action was taken because the noncompliance was not a gross exceedance (< 90%) and the reported results were nondetects.

The continuing calibration on 2/11/04 at 0836 contained a relative response factor (RRF) that fell below the 0.05 quality control limit for acetone on instrument GCMS-Z. The nondetected result was qualified as rejected, UR, in sample G01-MW-06-0204.

The continuing calibration on 2/11/04 at 0836 contained a percent difference (%D) that exceeded the 25% quality control limit for MTBE on instrument GCMS-Z. No qualification action was taken because the noncompliance was not a gross exceedance (< 90%) and the reported results were nondetects.

The continuing calibration on 2/13/04 at 0827 contained a relative response factor (RRF) that fell below the 0.05 quality control limit for acetone on instrument GCMS-Z. The positive results were qualified as estimated, J, in samples G01-MW-07-0204, G01-MW-11-0204, and KW-DUP-02-0204.

The continuing calibration on 2/13/04 at 0827 contained a percent difference (%D) that exceeded the 25% quality control limit for MTBE on instrument GCMS-Z. No qualification action was taken because the noncompliance was not a gross exceedance (< 90%) and the reported results were nondetects.

The laboratory control sample %Rs (2/11/04, 2/12/04, and 2/13/04) fell below outside of quality control limits for several volatile organic compounds. No qualification action was taken based on the LCS %R noncompliances since only a limited review was conducted and the %Rs were > 10%.

EDB

The continuing calibration on 2/12/04 at 2237 contained a percent difference (%D) that exceeded the 15% quality control limit for 1,2-dibromoethane on both columns. No qualification action was taken because all samples were re-analyzed.

The continuing calibration on 2/17/04 at 1003 contained a %D that exceeded the 15% quality control limit for 1,2-dibromomethane on column SPB608. No qualification action was taken because the second column was compliant.

The surrogate recoveries of tetrachloro-m-xylene exceeded the upper quality control limits on one column but fell below the lower quality control limit on the second column for sample G01-MW-09-0204. No qualification action was taken because the reported result was nondetected. The surrogate recovery fell below the lower upper quality control limit for samples G01-MW-06-0204 on one column. No qualification action was taken because the other column was complaint

The surrogate recoveries of tetrachloro-m-xylene exceeded the upper quality control limits on both columns For blank (WG6134), LCS (WG6134-LCS), and LCSD (WG6134-LCSD). No qualification was taken based on surrogate recovery noncompliances.

The laboratory control sample and laboratory control sample duplicate (WG5985) were analyzed on 2/12/04 and contained %Rs that fell below the lower quality control limit for 1,2-dibromoethane (but > 10%). No qualification action was taken because all samples were re-analyzed.

PAH

The continuing calibration on 3/3/04 at 1054 contained a percent difference (%D) that exceeded the 25% quality control limit for indeno(1,2,3-cd)pyrene. No qualification action was taken because results were nondetects and the noncompliance was < 90%.

The continuing calibration on 3/4/04 at 1547 contained percent differences (%Ds) that exceeded the 25% quality control limit for benzo(g,h,i)perylene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. No qualification action was taken because the results were nondetects and the noncompliance was < 90%.

The continuing calibration on 3/5/04 at 0941 contained a percent difference (%D) that exceeded the 25% quality control limit for benzo(g,h,i)perylene. No qualification action was taken because the result was a nondetect and the noncompliance was < 90%.

The surrogate recovery of flourene-d10 fell below the lower quality control limit for sample G01-MW-06-0204. No qualification action was taken because the noncompliance was greater than 10% and the two other surrogates were compliant.

The surrogate recoveries were diluted out of samples G01-MW-010-0204, G01-MW-12-0204, G01-MW-08-0204, G01-MW-11-0204, and KW-DUP-02-0204 that were analyzed at a 25X, 25X, 100X, 20X, and 25X dilutions, respectively. No qualification action was taken because the samples were analyzed at dilutions.

Internal standards acenaphthene-d10, chrysene-d12, and perylene-d12 exceeded the upper quality control limit for sample G01-MW-06-0204. No qualification action was taken based on internal standard noncompliances.

The matrix spike %Rs fell below the lower quality control limits and the %RRD was exceeded for benzo(b)fluoroanthene and indeno(1,2,3-cd)pyrene. The matrix spike and matrix spike duplicate %Rs fell below the lower quality control limit and the %RPDs exceeded quality control limits for dibenzo(a,h)anthracene and benzo(g,h,i)perylene. No qualification action was taken on the unspiked sample B01-MW-03-0204 because the reported results were nondetects.

The linear calibration range of the instrument was exceeded by acenaphthene in sample G01-MW-05-05204. The result for the aforementioned compound was reported from the 20X dilution analysis. The remaining compounds were reported from the undiluted analysis.

The linear calibration range of the instrument was exceeded by 1-methylnaphthalene and phenanthene in sample G01-MW-06-0204. The results for the aforementioned compounds were reported from the 10X dilution analysis. The remaining compounds were reported from the undiluted analysis.

Samples G01-MW-07-0204 (4X), G01-MW-08-0204 (100X), G01-MW-09-0204 (5X), G01-MW-10-0204 (25X), G01-MW-11-0204 (20X), G01-MW-12-0204 (25X), and KW-DUP-02-0204 (25X) were reported at dilutions. The dilutions caused elevated reporting limits for nondetected results.

TPH

The surrogate recovery of o-terphenyl fell below the lower quality control limit for samples G01-MW-04-0204, G01-MW-05-0204, and G01-MW-06-0204. No qualification action was taken because the other surrogate was compliant.

Methane

All quality control parameters were met for this fraction.

The methane results for samples G01-MW-01-0204, G01-MW-01A-0204, G01-MW-02-0204, G01-MW-03-0204, and G01-MW-04-0204 were reported in ug/ml units on the Form Is. The methane results for the remaining samples were reported in units of ug/L on the Form Is. Therefore, methane results for samples G01-MW-01-0204, G01-MW-01A-0204, G01-MW-02-0204, G01-MW-03-0204, and G01-MW-04-0204 were converted to ug/L units. For consistency purposes, the methane results are reported in ug/L units on the EDD.

The laboratory case narrative noted, samples G01-MW-01A-0204, G01-MW-03-0204, G01-MW-04-0204, G01-MW-07-0204, and G01-MW-10-0204 contained a significant amount of headspace and bubbles > 5 mm. No qualification action was warranted.

Despite not being requested, the laboratory reported results for ethane and ethene on the Form Is and EDD. The data reviewer removed the ethane and ethene results from the EDD.

Additional Comments

Positive results reported below the reporting limit (RL) were qualified as estimated, J.

As listed on the chain of custody, organic (8260 and 8270) tentatively identified compounds (TICs) were reported for samples G01-MW-11-0204, G01-MW-07-0204, G01-MW-06-0204, and KW-DUP-02-0204.

The volatile compound list for samples G01-MW-11-0204, G01-MW-07-0204, G01-MW-06-0204, and KW-DUP-02-0204 reported an expanded list of volatile compounds. Additional volatile compounds were reported to provide more information.

The laboratory did not report down to the required reporting limits (RL) for the following compounds:

	Required RL (ug/L)	Laboratory RL (ug/L)
1,1,2,2-Tetrachloroethane	0.2	1.0
Bromodichloromethane	0.6	1.0
Chlorodibromomethane	0.4	1.0
Cis-1,3-dichloropropene	0.2	1.0
Trans-1,3-dichloropropene	0.2	1.0
Vinyl chloride	1.0	2.0

EXECUTIVE SUMMARY

Laboratory Performance Issues: Methylene chloride, toluene, hexachlorobutadiene, and chloroform were detected in the laboratory method blanks. Continuing calibration noncompliances (RRF, %Ds), surrogate and internal standard, and LCS %Rs noncompliances were noted.

Other Factors Affecting Data Quality: MS/MSD %R and %RPD noncompliances were noted.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October, 1999), and the NFESC guidelines 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)."

Tetra Tech NUS

Seth C. Staffen
Environmental Scientist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation 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: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-01-0204
samp_date	2/4/2004
lab_id	WU0318-3
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	

nsample	G01-MW-01-0204
samp_date	2/4/2004
lab_id	WU0318-3
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-01A-0204
samp_date	2/4/2004
lab_id	WU0318-2
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	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-01A-0204
samp_date	2/4/2004
lab_id	WU0318-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-02-0204
samp_date	2/4/2004
lab_id	WU0318-5
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	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-02-0204
samp_date	2/4/2004
lab_id	WU0318-5
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-03-0204
samp_date	2/4/2004
lab_id	WU0318-4
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	G01-MW-03-0204
samp_date	2/4/2004
lab_id	WU0318-4
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-04-0204
samp_date	2/4/2004
lab_id	WU0318-6
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	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-04-0204
samp_date	2/4/2004
lab_id	WU0318-6
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-05-0204
samp_date	2/5/2004
lab_id	WU0334-2
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	0.1	J	P
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-05-0204
samp_date	2/5/2004
lab_id	WU0334-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-06-0204
samp_date	2/5/2004
lab_id	WU0344-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	U	
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,1-DICHLOROPROPENE	1	U	
1,2,3-TRICHLOROBENZENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2,3-TRIMETHYLBENZENE	1	U	
1,2,4-TRICHLOROBENZENE	1	U	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3,5-TRICHLOROBENZENE	1	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,3-DICHLOROPROPANE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,2-DICHLOROPROPANE	1	U	
2-BUTANONE	5	U	
2-CHLOROETHYL VINYL ETHER	1	U	
2-CHLOROTOLUENE	1	U	
2-HEXANONE	5	U	
4-CHLOROTOLUENE	1	U	
4-ISOPROPYLTOLUENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UR	C

nsample	G01-MW-06-0204
samp_date	2/5/2004
lab_id	WU0344-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZENE	5		
BROMOBENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	1	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	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
DIETHYL ETHER	1	U	
ETHYLBENZENE	3		
HEXACHLOROBUTADIENE	1	U	
ISOPROPYLBENZENE	0.6	J	P
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	UR	C
METHYLENE CHLORIDE	2	U	
NAPHTHALENE	3		
N-BUTYLBENZENE	0.5	J	P
N-PROPYLBENZENE	1		
O-XYLENE	0.2	J	P
SEC-BUTYLBENZENE	0.5	J	P
STYRENE	1	U	
TERT-BUTYLBENZENE	0.6	J	P
TETRACHLOROETHENE	1	U	

nsample	G01-MW-06-0204
samp_date	2/5/2004
lab_id	WU0344-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TETRAHYDROFURAN	5	U	
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	2	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-07-0204	nsample	G01-MW-07-0204	nsample	G01-MW-07-0204
samp_date	2/6/2004	samp_date	2/6/2004	samp_date	2/6/2004
lab_id	WU0347-3	lab_id	WU0347-3	lab_id	WU0347-3
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
1,1,1,2-TETRACHLOROETHANE	1	U	
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,1-DICHLOROPROPENE	1	U	
1,2,3-TRICHLOROBENZENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2,3-TRIMETHYLBENZENE	1	U	
1,2,4-TRICHLOROBENZENE	1	U	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3,5-TRICHLOROBENZENE	1	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,3-DICHLOROPROPANE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,2-DICHLOROPROPANE	1	U	
2-BUTANONE	5	U	
2-CHLOROETHYL VINYL ETHER	1	U	
2-CHLOROTOLUENE	1	U	
2-HEXANONE	5	U	
4-CHLOROTOLUENE	1	U	
4-ISOPROPYLTOLUENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	2	J	ACP

Parameter	Result	Val Qual	Qual Code
BENZENE	0.1	J	P
BROMOBENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	0.7	J	P
CARBON TETRACHLORIDE	1	U	P
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	0.4	J	P
CIS-1,3-DICHLOROPROPENE	1	U	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
DIETHYL ETHER	1	U	
ETHYLBENZENE	0.4	J	P
HEXACHLOROBUTADIENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	UR	C
METHYLENE CHLORIDE	2	U	
NAPHTHALENE	2		
N-BUTYLBENZENE	0.4	J	P
N-PROPYLBENZENE	0.5	J	P
O-XYLENE	1	U	
SEC-BUTYLBENZENE	0.6	J	P
STYRENE	1	U	
TERT-BUTYLBENZENE	1	U	
TETRACHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
TETRAHYDROFURAN	5	U	
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	0.4	J	P
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-08-0204
samp_date	2/6/2004
lab_id	WU0346-10
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	0.3	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	18		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	A
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-08-0204
samp_date	2/6/2004
lab_id	WU0346-10
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-09-0204
samp_date	2/6/2004
lab_id	WU0346-8
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	0.5	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	2		
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	0.8	J	P
CIS-1,3-DICHLOROPROPENE	1	U	
ETHYLBENZENE	4		
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: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-09-0204
samp_date	2/6/2004
lab_id	WU0346-8
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	G01-MW-10-0204
samp_date	2/6/2004
lab_id	WU0346-7
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	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	0.3	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	6		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	A
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-10-0204
samp_date	2/6/2004
lab_id	WU0346-7
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-11-0204	nsample	G01-MW-11-0204	nsample	G01-MW-11-0204
samp_date	2/6/2004	samp_date	2/6/2004	samp_date	2/6/2004
lab_id	WU0347-1	lab_id	WU0347-1	lab_id	WU0347-1
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:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	U	
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	J	P
1,1-DICHLOROETHENE	1	U	
1,1-DICHLOROPROPENE	1	U	
1,2,3-TRICHLOROBENZENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2,3-TRIMETHYLBENZENE	1	U	
1,2,4-TRICHLOROBENZENE	1	U	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3,5-TRICHLOROBENZENE	1	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,3-DICHLOROPROPANE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,2-DICHLOROPROPANE	1	U	
2-BUTANONE	5	U	
2-CHLOROETHYL VINYL ETHER	1	U	
2-CHLOROTOLUENE	1	U	
2-HEXANONE	5	U	
4-CHLOROTOLUENE	1	U	
4-ISOPROPYLTOLUENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	11	J	AC

Parameter	Result	Val Qual	Qual Code
BENZENE	1		
BROMOBENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	2		
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	0.4	J	P
CIS-1,3-DICHLOROPROPENE	1	U	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
DIETHYL ETHER	1	U	
ETHYLBENZENE	8		
HEXACHLOROBUTADIENE	1	U	
ISOPROPYLBENZENE	2		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	UR	C
METHYLENE CHLORIDE	2	U	A
NAPHTHALENE	40		
N-BUTYLBENZENE	1		
N-PROPYLBENZENE	5		
O-XYLENE	1	U	
SEC-BUTYLBENZENE	1		
STYRENE	1	U	
TERT-BUTYLBENZENE	0.9	J	P
TETRACHLOROETHENE	1	U	

Parameter	Result	Val Qual	Qual Code
TETRAHYDROFURAN	5	U	
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	0.4	J	P
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	G01-MW-12-0204
samp_date	2/6/2004
lab_id	WU0346-9
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-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	9		
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-12-0204
samp_date	2/6/2004
lab_id	WU0346-9
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
VINYL CHLORIDE	2	U	

nsample	KW-DUP-02-0204
samp_date	2/6/2004
lab_id	WU0347-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	G01-MW-11-0204

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	U	
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1		
1,1-DICHLOROETHENE	1	U	
1,1-DICHLOROPROPENE	1	U	
1,2,3-TRICHLOROBENZENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2,3-TRIMETHYLBENZENE	1	U	
1,2,4-TRICHLOROBENZENE	1	U	
1,2,4-TRIMETHYLBENZENE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	1	U	
1,2-DIBROMOETHANE	0.02	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3,5-TRICHLOROBENZENE	1	U	
1,3,5-TRIMETHYLBENZENE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,3-DICHLOROPROPANE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,2-DICHLOROPROPANE	1	U	
2-BUTANONE	5	U	
2-CHLOROETHYL VINYL ETHER	1	U	
2-CHLOROTOLUENE	1	U	
2-HEXANONE	5	U	
4-CHLOROTOLUENE	1	U	
4-ISOPROPYLTOLUENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	J	AC

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SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	KW-DUP-02-0204
samp_date	2/6/2004
lab_id	WU0347-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	G01-MW-11-0204

Parameter	Result	Val Qual	Qual Code
BENZENE	1		
BROMOBENZENE	1	U	
BROMOCHLOROMETHANE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	1		
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	0.4	J	P
CIS-1,3-DICHLOROPROPENE	1	U	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
DIETHYL ETHER	1	U	
ETHYLBENZENE	8		
HEXACHLOROBUTADIENE	1	U	
ISOPROPYLBENZENE	2		
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	UR	C
METHYLENE CHLORIDE	2	U	
NAPHTHALENE	40		
N-BUTYLBENZENE	1		
N-PROPYLBENZENE	5		
O-XYLENE	1	U	
SEC-BUTYLBENZENE	2		
STYRENE	1	U	
TERT-BUTYLBENZENE	1		
TETRACHLOROETHENE	1	U	

nsample	KW-DUP-02-0204
samp_date	2/6/2004
lab_id	WU0347-2
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	G01-MW-11-0204

Parameter	Result	Val Qual	Qual Code
TETRAHYDROFURAN	5	U	
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	0.4	J	P
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

nsample	KWTB-020404
samp_date	1/26/2004
lab_id	WU0318-1
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-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	

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SDG: 2974 MEDIA: WATER DATA FRACTION: OV

nsample	KWTB-020604	nsample	TB-020504
samp_date	1/26/2004	samp_date	1/26/2004
lab_id	WU0346-11	lab_id	WU0334-3
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-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		
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	

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	

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SDG: 2974 MEDIA: WATER DATA FRACTION: PAH

nsample	B01-MW-01-0204	nsample	B01-MW-03-0204	nsample	G01-MW-01-0204
samp_date	2/5/2004	samp_date	2/5/2004	samp_date	2/4/2004
lab_id	WU0334-4	lab_id	WU0334-5	lab_id	WU0318-3RA
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	

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SDG: 2974 MEDIA: WATER DATA FRACTION: PAH

nsample	G01-MW-01A-0204	nsample	G01-MW-02-0204	nsample	G01-MW-03-0204
samp_date	2/4/2004	samp_date	2/4/2004	samp_date	2/4/2004
lab_id	WU0318-2	lab_id	WU0318-5	lab_id	WU0318-4
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	

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SDG: 2974 MEDIA: WATER DATA FRACTION: PAH

nsample	G01-MW-04-0204	nsample	G01-MW-05-0204	nsample	G01-MW-06-0204
samp_date	2/4/2004	samp_date	2/5/2004	samp_date	2/5/2004
lab_id	WU0318-6	lab_id	WU0334-2	lab_id	WU0334-1
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:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.2	U	
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	0.32		
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	0.38		
2-METHYLNAPHTHALENE	0.2	U	
ACENAPHTHENE	46		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	1.8		
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	1.4		
FLUORENE	0.3		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	0.4		
PHENANTHRENE	0.17	J	P
PYRENE	0.33		

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	18		
2-METHYLNAPHTHALENE	1.1		
ACENAPHTHENE	0.68		
ACENAPHTHYLENE	0.2	U	
ANTHRACENE	0.66		
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	0.16	J	P
FLUORENE	0.42		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	2.2		
PHENANTHRENE	7.4		
PYRENE	0.17	J	P

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SDG: 2974 MEDIA: WATER DATA FRACTION: PAH

nsample	G01-MW-07-0204	nsample	G01-MW-08-0204	nsample	G01-MW-09-0204
samp_date	2/6/2004	samp_date	2/6/2004	samp_date	2/6/2004
lab_id	WU0346-5DL	lab_id	WU0346-10DL2	lab_id	WU0346-8DL2
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	8		
2-METHYLNAPHTHALENE	9.3		
ACENAPHTHENE	0.66	J	P
ACENAPHTHYLENE	0.78	U	
ANTHRACENE	0.78	U	
BENZO(A)ANTHRACENE	0.78	U	
BENZO(A)PYRENE	0.78	U	
BENZO(B)FLUORANTHENE	0.78	U	
BENZO(G,H,I)PERYLENE	0.78	U	
BENZO(K)FLUORANTHENE	0.78	U	
CHRYSENE	0.78	U	
DIBENZO(A,H)ANTHRACENE	0.78	U	
FLUORANTHENE	0.78	U	
FLUORENE	0.94		
INDENO(1,2,3-CD)PYRENE	0.78	U	
NAPHTHALENE	1.9		
PHENANTHRENE	1.6		
PYRENE	0.78	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	130		
2-METHYLNAPHTHALENE	160		
ACENAPHTHENE	19	U	
ACENAPHTHYLENE	19	U	
ANTHRACENE	19	U	
BENZO(A)ANTHRACENE	19	U	
BENZO(A)PYRENE	19	U	
BENZO(B)FLUORANTHENE	19	U	
BENZO(G,H,I)PERYLENE	19	U	
BENZO(K)FLUORANTHENE	19	U	
CHRYSENE	19	U	
DIBENZO(A,H)ANTHRACENE	19	U	
FLUORANTHENE	19	U	
FLUORENE	7.8	J	P
INDENO(1,2,3-CD)PYRENE	19	U	
NAPHTHALENE	96		
PHENANTHRENE	11	J	P
PYRENE	19	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	11		
2-METHYLNAPHTHALENE	11		
ACENAPHTHENE	1		
ACENAPHTHYLENE	0.98	U	
ANTHRACENE	0.98	U	
BENZO(A)ANTHRACENE	0.98	U	
BENZO(A)PYRENE	0.98	U	
BENZO(B)FLUORANTHENE	0.98	U	
BENZO(G,H,I)PERYLENE	0.98	U	
BENZO(K)FLUORANTHENE	0.98	U	
CHRYSENE	0.98	U	
DIBENZO(A,H)ANTHRACENE	0.98	U	
FLUORANTHENE	0.98	U	
FLUORENE	0.91	J	P
INDENO(1,2,3-CD)PYRENE	0.98	U	
NAPHTHALENE	7.5		
PHENANTHRENE	0.68	J	P
PYRENE	0.98	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PAH

nsample	G01-MW-10-0204	nsample	G01-MW-11-0204	nsample	G01-MW-12-0204
samp_date	2/6/2004	samp_date	2/6/2004	samp_date	2/6/2004
lab_id	WU0346-7DL2	lab_id	WU0346-1DL2	lab_id	WU0346-9DL2
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	56		
2-METHYLNAPHTHALENE	71		
ACENAPHTHENE	3.3	J	P
ACENAPHTHYLENE	4.8	U	
ANTHRACENE	4.8	U	
BENZO(A)ANTHRACENE	4.8	U	
BENZO(A)PYRENE	4.8	U	
BENZO(B)FLUORANTHENE	4.8	U	
BENZO(G,H,I)PERYLENE	4.8	U	
BENZO(K)FLUORANTHENE	4.8	U	
CHRYSENE	4.8	U	
DIBENZO(A,H)ANTHRACENE	4.8	U	
FLUORANTHENE	4.8	U	
FLUORENE	4.2	J	P
INDENO(1,2,3-CD)PYRENE	4.8	U	
NAPHTHALENE	47		
PHENANTHRENE	3.6	J	P
PYRENE	4.8	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	41		
2-METHYLNAPHTHALENE	44		
ACENAPHTHENE	3.4	J	P
ACENAPHTHYLENE	3.8	U	
ANTHRACENE	3.8	U	
BENZO(A)ANTHRACENE	3.8	U	
BENZO(A)PYRENE	3.8	U	
BENZO(B)FLUORANTHENE	3.8	U	
BENZO(G,H,I)PERYLENE	3.8	U	
BENZO(K)FLUORANTHENE	3.8	U	
CHRYSENE	3.8	U	
DIBENZO(A,H)ANTHRACENE	3.8	U	
FLUORANTHENE	3.8	U	
FLUORENE	4.3		
INDENO(1,2,3-CD)PYRENE	3.8	U	
NAPHTHALENE	18		
PHENANTHRENE	3.6	J	P
PYRENE	3.8	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	61		
2-METHYLNAPHTHALENE	60		
ACENAPHTHENE	5.3		
ACENAPHTHYLENE	4.8	U	
ANTHRACENE	4.8	U	
BENZO(A)ANTHRACENE	4.8	U	
BENZO(A)PYRENE	4.8	U	
BENZO(B)FLUORANTHENE	4.8	U	
BENZO(G,H,I)PERYLENE	4.8	U	
BENZO(K)FLUORANTHENE	4.8	U	
CHRYSENE	4.8	U	
DIBENZO(A,H)ANTHRACENE	4.8	U	
FLUORANTHENE	4.8	U	
FLUORENE	6.7		
INDENO(1,2,3-CD)PYRENE	4.8	U	
NAPHTHALENE	28		
PHENANTHRENE	5.1		
PYRENE	4.8	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PAH

nsample	KW-DUP-02-0204
samp_date	2/6/2004
lab_id	WU0346-3DL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	G01-MW-11-0204

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	51		
2-METHYLNAPHTHALENE	58		
ACENAPHTHENE	3.4	J	P
ACENAPHTHYLENE	4.8	U	
ANTHRACENE	4.8	U	
BENZO(A)ANTHRACENE	4.8	U	
BENZO(A)PYRENE	4.8	U	
BENZO(B)FLUORANTHENE	4.8	U	
BENZO(G,H,I)PERYLENE	4.8	U	
BENZO(K)FLUORANTHENE	4.8	U	
CHRYSENE	4.8	U	
DIBENZO(A,H)ANTHRACENE	4.8	U	
FLUORANTHENE	4.8	U	
FLUORENE	4	J	P
INDENO(1,2,3-CD)PYRENE	4.8	U	
NAPHTHALENE	22		
PHENANTHRENE	4.8	J	P
PYRENE	4.8	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-01-0204	nsample	G01-MW-01A-0204	nsample	G01-MW-02-0204
samp_date	2/4/2004	samp_date	2/4/2004	samp_date	2/4/2004
lab_id	WU0318-3	lab_id	WU0318-2	lab_id	WU0318-5
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
TOTAL PETROLEUM HYDROCARBONS	510	U	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	510	U	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	500	U	

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-03-0204	nsample	G01-MW-04-0204	nsample	G01-MW-05-0204
samp_date	2/4/2004	samp_date	2/4/2004	samp_date	2/5/2004
lab_id	WU0318-4	lab_id	WU0318-6	lab_id	WU0334-2
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
TOTAL PETROLEUM HYDROCARBONS	300	J	P

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1000		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	620		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-06-0204
samp_date	2/5/2004
lab_id	WU0334-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	5400		

nsample	G01-MW-07-0204
samp_date	2/6/2004
lab_id	WU0346-5
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	570		

nsample	G01-MW-08-0204
samp_date	2/6/2004
lab_id	WU0346-10
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	3100		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-09-0204
samp_date	2/6/2004
lab_id	WU0346-8
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1100		

nsample	G01-MW-10-0204
samp_date	2/6/2004
lab_id	WU0346-7
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	2200		

nsample	G01-MW-11-0204
samp_date	2/6/2004
lab_id	WU0346-1
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1800		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: PET

nsample	G01-MW-12-0204	nsample	KW-DUP-02-0204
samp_date	2/6/2004	samp_date	2/6/2004
lab_id	WU0346-9	lab_id	WU0346-3
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	G01-MW-11-0204

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	3200		

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	1700		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW-01-0204	nsample	G01-MW-01A-0204	nsample	G01-MW-02-0204
samp_date	2/4/2004	samp_date	2/4/2004	samp_date	2/4/2004
lab_id	0402100-02A	lab_id	0402100-01A	lab_id	0402100-04A
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
METHANE	200		

Parameter	Result	Val Qual	Qual Code
METHANE	160		

Parameter	Result	Val Qual	Qual Code
METHANE	57		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW-03-0204	nsample	G01-MW-04-0204	nsample	G01-MW-05-0204
samp_date	2/4/2004	samp_date	2/4/2004	samp_date	2/5/2004
lab_id	0402100-03A	lab_id	0402100-05A	lab_id	0402144-02A
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
METHANE	1100		

Parameter	Result	Val Qual	Qual Code
METHANE	500		

Parameter	Result	Val Qual	Qual Code
METHANE	4400		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW-06-0204	nsample	G01-MW-07-0204	nsample	G01-MW-08-0204
samp_date	2/5/2004	samp_date	2/6/2004	samp_date	2/6/2004
lab_id	0402144-01A	lab_id	0402145-03A	lab_id	0402145-07A
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
METHANE	9100		

Parameter	Result	Val Qual	Qual Code
METHANE	940		

Parameter	Result	Val Qual	Qual Code
METHANE	2600		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW-09-0204
samp_date	2/6/2004
lab_id	0402145-05A
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	3800		

nsample	G01-MW-10-0204
samp_date	2/6/2004
lab_id	0402145-04A
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	2500		

nsample	G01-MW-11-0204
samp_date	2/6/2004
lab_id	0402145-01A
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
METHANE	4800		

PROJ_NO: 4779

SDG: 2974 MEDIA: WATER DATA FRACTION: OVG

nsample	G01-MW-12-0204	nsample	KW-DUP-02-0204
samp_date	2/6/2004	samp_date	2/6/2004
lab_id	0402145-06A	lab_id	0402145-02A
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	G01-MW-11-0204

Parameter	Result	Val Qual	Qual Code
METHANE	4700		

Parameter	Result	Val Qual	Qual Code
METHANE	5500		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-3
Client ID: G01-MW-01-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
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		100%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-2
Client ID: G01-MW-01A-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6072
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		101%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-5
Client ID: G01-MW-02-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
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		97%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-4
Client ID: G01-MW-03-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
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		92%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-6
Client ID: G01-MW-04-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
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		97%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date:
Analysis Date: 02/10/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-2
Client ID: G01-MW-05-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5962
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	J	0.1	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		87%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/03/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0344-1
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
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
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
67-64-1	Acetone	U	5	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
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
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
71-43-2	Benzene		5	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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/03/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0344-1
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		3	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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	J	0.2	1.0	1	1	0.2
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene	J	0.6	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene		1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	J	0.6	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene	J	0.5	1.0	1	1	0.3
135-98-8	sec-Butylbenzene	J	0.5	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene		3	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		109%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		96%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-06-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: CTO297 NAS KEY WEST

SDG No.: CTO297-4

Matrix: (soil/water) WATER

Lab Sample ID: WU0344-1

Sample wt/vol: 5.000 (g/ml) ML

Lab File ID: Z0080

Level: (low/med) LOW

Date Received: 02/06/04

% Moisture: not dec. _____

Date Analyzed: 02/11/04

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

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	SULFUR DIOXIDE	2.42	2	NJ
2. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETH	15.33	2	NJ
3. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	15.43	3	NJ
4. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHY	15.59	2	NJ
5. 1587-04-8	BENZENE, 1-METHYL-2-(2-PROP	15.90	10	NJ
6.	C11H14 ISOMER	16.08	3	J
7.	C11H14 ISOMER	16.14	2	J
8. 56253-64-6	BENZENE, (2-METHYL-1-BUTENY	16.19	3	NJ
9. 17057-82-8	1H-INDENE, 2,3-DIHYDRO-1,2-	16.70	3	NJ
10.				
11.				
12.				
13.				
14.				
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20.				
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24.				
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28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0347-3
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
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
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide	J	0.7	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
67-64-1	Acetone	J	2	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	J	0.4	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	J	0.4	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
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
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0347-3
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	J	0.4	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	J	0.5	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene	J	0.4	1.0	1	1	0.3
135-98-8	sec-Butylbenzene	J	0.6	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene		2	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		91%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-07-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO297 NAS KEY WEST — SDG No.: CTO297-4

Matrix: (soil/water) WATER — Lab Sample ID: WU0347-3

Sample wt/vol: 5.000 (g/ml) ML — Lab File ID: Z0126

Level: (low/med) LOW — Date Received: 02/07/04

% Moisture: not dec. _____ — Date Analyzed: 02/13/04

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.21	2	J
2. 90-12-0	NAPHTHALENE, 1-METHYL-	17.36	2	NJ
3. 90-12-0	NAPHTHALENE, 1-METHYL-	17.52	1	NJ
4. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	18.59	1	NJ
5.				
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-10
Client ID: G01-MW-08-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
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	JB	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	J	0.3	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		18	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		97%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-8
Client ID: G01-MW-09-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
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	0.5	1.0	1	1	0.1
156-59-2	cis-1,2-Dichloroethene	J	0.8	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		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	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		4	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		99%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-7
Client ID: G01-MW-10-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
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	JB	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	J	0.3	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		99%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0347-1
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
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
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide		2	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride	JB	1	1.0	2	2	0.4
67-64-1	Acetone		11	1.0	5	5	1
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	1.0	1.0	1	1	0.1
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	J	0.4	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	J	0.4	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
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
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0347-1
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		8	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene		2	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene		5	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	J	0.9	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene		1	1.0	1	1	0.3
135-98-8	sec-Butylbenzene		1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene		40	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		95%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-11-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Matrix: (soil/water) WATER Lab Sample ID: WU0347-1

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: Z0124

Level: (low/med) LOW Date Received: 02/07/04

% Moisture: not dec. _____ Date Analyzed: 02/13/04

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 496-11-7	INDANE	15.09	2	NJ
2. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	15.34	2	NJ
3. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	15.43	2	NJ
4. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	15.59	2	NJ
5. 1587-04-8	BENZENE, 1-METHYL-2-(2-PROPE	15.90	5	NJ
6. 17057-82-8	1H-INDENE, 2,3-DIHYDRO-1,2-D	16.07	1	NJ
7. 17057-82-8	1H-INDENE, 2,3-DIHYDRO-1,2-D	16.70	2	NJ
8. 90-12-0	NAPHTHALENE, 1-METHYL-	17.37	9	NJ
9. 90-12-0	NAPHTHALENE, 1-METHYL-	17.53	6	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-9
Client ID: G01-MW-12-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
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		9	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		97%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0347-2
Client ID: KW-DUP-02-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.2
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
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide		1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
67-64-1	Acetone		10	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	J	0.4	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	J	0.4	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
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
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0347-2
Client ID: KW-DUP-02-0204
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene		8	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene		2	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene		5	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene		1	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene		1	1.0	1	1	0.3
135-98-8	sec-Butylbenzene		2	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene		40	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		93%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

KW-DUP-02-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Matrix: (soil/water) WATER Lab Sample ID: WU0347-2

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: Z0125

Level: (low/med) LOW Date Received: 02/07/04

% Moisture: not dec. _____ Date Analyzed: 02/13/04

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 496-11-7	INDANE	15.09	2	NJ
2. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	15.33	2	NJ
3. 27133-93-3	2,3-DIHYDRO-1-METHYLINDENE	15.42	2	NJ
4. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	15.58	2	NJ
5. 1587-04-8	BENZENE, 1-METHYL-2-(2-PROPE	15.90	6	NJ
6. 90-12-0	NAPHTHALENE, 1-METHYL-	17.36	9	NJ
7. 90-12-0	NAPHTHALENE, 1-METHYL-	17.52	6	NJ
8. 581-42-0	NAPHTHALENE, 2,6-DIMETHYL-	18.42	2	NJ
9. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	18.58	2	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 01/26/04
Received Date: 02/05/04
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-1
Client ID: KWTB-020404
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
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		94%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 01/26/04
Received Date: 02/07/04
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-11
Client ID: KWTB-020604
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
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	B	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		106%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 01/26/04
Received Date: 02/06/04
Extraction Date:
Analysis Date: 02/10/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-3
Client ID: TB-020504
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5962
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		84%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-2RE
Client ID: G01-MW-01A-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-3RE
Client ID: G01-MW-01-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-5RE
Client ID: G01-MW-02-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-4RE
Client ID: G01-MW-03-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-2RE
Client ID: G01-MW-05-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		109%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-6RE
Client ID: G01-MW-04-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/11/04
Analysis Date: 02/12/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-1
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG5985
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		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/19/04
Analysis Date: 02/19/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-1RE2
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6134
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		119%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-5RE
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-10RE
Client ID: G01-MW-08-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		122%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/12/04
Report Date: 03/03/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-8
Client ID: G01-MW-09-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG5985
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		*132%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-8RE
Client ID: G01-MW-09-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		124%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-7RE
Client ID: G01-MW-10-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		124%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-1RE
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-9RE
Client ID: G01-MW-12-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		113%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-3RE
Client ID: KW-DUP-02-0204
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		128%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/03/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-4
Client ID: B01-MW-01-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
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	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.078
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
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	0.088
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	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
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	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		91%				
81103-79-9	Fluorene-d10		75%				
1718-52-1	Pyrene-d10		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/03/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-5
Client ID: B01-MW-03-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
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		78%				
81103-79-9	Fluorene-d10		66%				
1718-52-1	Pyrene-d10		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 03/03/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-3RA
Client ID: G01-MW-01-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5895
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		58%				
81103-79-9	Fluorene-d10		57%				
1718-52-1	Pyrene-d10		71%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 03/02/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-2
Client ID: G01-MW-01A-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5895
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		51%				
81103-79-9	Fluorene-d10		54%				
1718-52-1	Pyrene-d10		54%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 03/02/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-5
Client ID: G01-MW-02-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5895
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		48%				
81103-79-9	Fluorene-d10		54%				
1718-52-1	Pyrene-d10		51%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 03/02/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-4
Client ID: G01-MW-03-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5895
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	0.051
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.082
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.051
83-32-9	Acenaphthene	U	0.20	1.0	0.20	0.20	0.082
86-73-7	Fluorene	U	0.20	1.0	0.20	0.20	0.061
85-01-8	Phenanthrene	U	0.20	1.0	0.20	0.20	0.082
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.082
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	0.092
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	0.071
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.092
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.082
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.092
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	0.082
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.082
7297-45-2	2-Methylnaphthalene-d10		40%				
81103-79-9	Fluorene-d10		43%				
1718-52-1	Pyrene-d10		35%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 03/02/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-6
Client ID: G01-MW-04-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5895
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	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.048
83-32-9	Acenaphthene		0.32	1.0	0.20	0.20	0.078
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	0.078
120-12-7	Anthracene	U	0.20	1.0	0.20	0.20	0.078
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	0.087
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	0.068
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.087
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.087
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.097
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	0.078
90-12-0	1-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		65%				
81103-79-9	Fluorene-d10		58%				
1718-52-1	Pyrene-d10		49%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEYWEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/03/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-2
Client ID: G01-MW-05-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.40	1.0	0.20	0.20	0.049
91-57-6	2-Methylnaphthalene	U	0.20	1.0	0.20	0.20	0.078
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.049
83-32-9	Acenaphthene	E	26	1.0	0.20	0.20	0.078
86-73-7	Fluorene		0.30	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	J	0.17	1.0	0.20	0.20	0.078
120-12-7	Anthracene		1.8	1.0	0.20	0.20	0.078
206-44-0	Fluoranthene		1.4	1.0	0.20	0.20	0.11
129-00-0	Pyrene		0.33	1.0	0.20	0.20	0.088
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	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.088
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.078
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.088
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.098
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	0.078
90-12-0	1-Methylnaphthalene		0.38	1.0	0.20	0.20	0.078
7297-45-2	2-Methylnaphthalene-d10		83%				
81103-79-9	Fluorene-d10		62%				
1718-52-1	Pyrene-d10		59%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/04/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-2DL
Client ID: G01-MW-05-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	3.9	20	0.20	3.9	0.98
91-57-6	2-Methylnaphthalene	U	3.9	20	0.20	3.9	1.6
208-96-8	Acenaphthylene	U	3.9	20	0.20	3.9	0.98
83-32-9	Acenaphthene		46	20	0.20	3.9	1.6
86-73-7	Fluorene	U	3.9	20	0.20	3.9	1.2
85-01-8	Phenanthrene	U	3.9	20	0.20	3.9	1.6
120-12-7	Anthracene	J	1.9	20	0.20	3.9	1.6
206-44-0	Fluoranthene	U	3.9	20	0.20	3.9	2.2
129-00-0	Pyrene	U	3.9	20	0.20	3.9	1.8
56-55-3	Benzo(a)anthracene	U	3.9	20	0.20	3.9	2.4
218-01-9	Chrysene	U	3.9	20	0.20	3.9	1.4
205-99-2	Benzo(b)fluoranthene	U	3.9	20	0.20	3.9	1.8
207-08-9	Benzo(k)fluoranthene	U	3.9	20	0.20	3.9	1.6
50-32-8	Benzo(a)pyrene	U	3.9	20	0.20	3.9	1.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.9	20	0.20	3.9	2.0
53-70-3	Dibenzo(a,h)anthracene	U	3.9	20	0.20	3.9	2.9
191-24-2	Benzo(g,h,i)perylene	U	3.9	20	0.20	3.9	1.6
90-12-0	1-Methylnaphthalene	U	3.9	20	0.20	3.9	1.6
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 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/03/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-1
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		2.2	1.0	0.20	0.20	0.050
91-57-6	2-Methylnaphthalene		1.1	1.0	0.20	0.20	0.079
208-96-8	Acenaphthylene	U	0.20	1.0	0.20	0.20	0.050
83-32-9	Acenaphthene		0.68	1.0	0.20	0.20	0.079
86-73-7	Fluorene		0.42	1.0	0.20	0.20	0.059
85-01-8	Phenanthrene	E	5.3	1.0	0.20	0.20	0.079
120-12-7	Anthracene		0.66	1.0	0.20	0.20	0.079
206-44-0	Fluoranthene	J	0.16	1.0	0.20	0.20	0.11
129-00-0	Pyrene	J	0.17	1.0	0.20	0.20	0.089
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	0.069
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.089
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.079
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.089
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.099
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	0.079
90-12-0	1-Methylnaphthalene	E	12	1.0	0.20	0.20	0.079
7297-45-2	2-Methylnaphthalene-d10		93%				
81103-79-9	Fluorene-d10		* 22%				
1718-52-1	Pyrene-d10		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/04/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-1DL
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		3.0	10	0.20	2.0	0.50
91-57-6	2-Methylnaphthalene	J	1.3	10	0.20	2.0	0.79
208-96-8	Acenaphthylene	U	2.0	10	0.20	2.0	0.50
83-32-9	Acenaphthene		5.9	10	0.20	2.0	0.79
86-73-7	Fluorene		3.5	10	0.20	2.0	0.59
85-01-8	Phenanthrene		7.4	10	0.20	2.0	0.79
120-12-7	Anthracene	U	2.0	10	0.20	2.0	0.79
206-44-0	Fluoranthene	U	2.0	10	0.20	2.0	1.1
129-00-0	Pyrene	U	2.0	10	0.20	2.0	0.89
56-55-3	Benzo(a)anthracene	U	2.0	10	0.20	2.0	1.2
218-01-9	Chrysene	U	2.0	10	0.20	2.0	0.69
205-99-2	Benzo(b)fluoranthene	U	2.0	10	0.20	2.0	0.89
207-08-9	Benzo(k)fluoranthene	U	2.0	10	0.20	2.0	0.79
50-32-8	Benzo(a)pyrene	U	2.0	10	0.20	2.0	0.89
193-39-5	Indeno(1,2,3-cd)pyrene	U	2.0	10	0.20	2.0	0.99
53-70-3	Dibenzo(a,h)anthracene	U	2.0	10	0.20	2.0	1.5
191-24-2	Benzo(g,h,i)perylene	U	2.0	10	0.20	2.0	0.79
90-12-0	1-Methylnaphthalene		18	10	0.20	2.0	0.79
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 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-6RA
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG5942
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	8
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	J	5	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	6
132-64-9	Dibenzofuran	J	4	1.0	10	10	4
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	J	3	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-6RA
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG5942
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	5
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	J	7	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	J	6	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		44%				
13127-88-3	Phenol-D6		39%				
4165-60-0	Nitrobenzene-D5		71%				
321-60-8	2-Fluorobiphenyl		87%				
118-79-6	2,4,6-Tribromophenol		100%				
1718-51-0	Terphenyl-D14		113%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-06-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Matrix: (soil/water) WATER Lab Sample ID: WU0334-6RA

Sample wt/vol: 1.010 (g/L) L Lab File ID: X4729

Level: (low/med) LOW Date Received: 02/06/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/09/04

Concentrated Extract Volume: 0.0010 (L) Date Analyzed: 03/11/04

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.11	10	J
2.	UNKNOWN ALKANE	2.35	200	J
3.	UNKNOWN	5.22	40	JB
4.	UNKNOWN	9.91	6	J
5.	UNKNOWN	10.77	6	J
6.	UNKNOWN	10.88	20	J
7.	C11H14 ISOMER	12.00	5	J
8.	UNKNOWN	12.15	7	J
9.	UNKNOWN	12.46	8	J
10.	UNKNOWN	12.81	8	J
11.	C11H14 ISOMER	12.99	8	J
12.	UNKNOWN	13.18	10	J
13.	C11H10 ISOMER	13.26	20	J
14.	UNKNOWN	13.32	10	J
15.	UNKNOWN ORGANIC ACID	13.79	20	J
16.	UNKNOWN	13.92	8	J
17.	UNKNOWN	14.05	7	J
18.	C12H12 ISOMER	14.52	20	J
19.	C12H12 ISOMER	14.72	10	J
20.	C12H12 ISOMER	15.02	40	J
21.	UNKNOWN ALKANE	15.15	20	J
22.	UNKNOWN	16.21	10	J
23.	UNKNOWN	16.91	10	J
24.	UNKNOWN	17.13	20	J
25.	UNKNOWN	17.20	10	J
26.	C14H12 ISOMER	18.17	10	J
27.	UNKNOWN	18.34	20	J
28.	UNKNOWN ORGANIC ACID	20.19	20	J
29. 10544-50-0	SULFUR, MOL. (S8)	21.77	300	NJ
30.	UNKNOWN	32.12	20	J

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/04/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-5DL
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		1.9	4.0	0.20	0.78	0.19
91-57-6	2-Methylnaphthalene		9.3	4.0	0.20	0.78	0.31
208-96-8	Acenaphthylene	U	0.78	4.0	0.20	0.78	0.19
83-32-9	Acenaphthene	J	0.66	4.0	0.20	0.78	0.31
86-73-7	Fluorene		0.94	4.0	0.20	0.78	0.23
85-01-8	Phenanthrene		1.6	4.0	0.20	0.78	0.31
120-12-7	Anthracene	U	0.78	4.0	0.20	0.78	0.31
206-44-0	Fluoranthene	U	0.78	4.0	0.20	0.78	0.43
129-00-0	Pyrene	U	0.78	4.0	0.20	0.78	0.35
56-55-3	Benzo(a)anthracene	U	0.78	4.0	0.20	0.78	0.47
218-01-9	Chrysene	U	0.78	4.0	0.20	0.78	0.27
205-99-2	Benzo(b)fluoranthene	U	0.78	4.0	0.20	0.78	0.35
207-08-9	Benzo(k)fluoranthene	U	0.78	4.0	0.20	0.78	0.31
50-32-8	Benzo(a)pyrene	U	0.78	4.0	0.20	0.78	0.35
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.78	4.0	0.20	0.78	0.39
53-70-3	Dibenzo(a,h)anthracene	U	0.78	4.0	0.20	0.78	0.58
191-24-2	Benzo(g,h,i)perylene	U	0.78	4.0	0.20	0.78	0.31
90-12-0	1-Methylnaphthalene		8.0	4.0	0.20	0.78	0.31
7297-45-2	2-Methylnaphthalene-d10		84%				
81103-79-9	Fluorene-d10		75%				
1718-52-1	Pyrene-d10		112%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-6
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	J	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-6
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		41%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		* 89%				
118-79-6	2,4,6-Tribromophenol		93%				
1718-51-0	Terphenyl-D14		107%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-07-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 297 NAS KEY WEST — SDG No.: CTO297-4

Matrix: (soil/water) WATER — Lab Sample ID: WU0346-6

Sample wt/vol: 1.030 (g/L) L — Lab File ID: X4728

Level: (low/med) LOW — Date Received: 02/07/04

% Moisture: _____ decanted: (Y/N)___ — Date Extracted: 02/13/04

Concentrated Extract Volume: 0.0010 (L) — Date Analyzed: 03/11/04

Injection Volume: _____(uL) — Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.34	400	JB
2.	UNKNOWN	5.22	40	JB
3.	UNKNOWN	10.31	4	J
4.	UNKNOWN	11.48	6	J
5.	C11H10 ISOMER	13.26	7	J
6.	C12H12 ISOMER	14.37	5	J
7.	C12H12 ISOMER	14.52	9	J
8.	C12H12 ISOMER	14.71	10	J
9.	C12H12 ISOMER	14.96	6	J
10.	UNKNOWN	15.99	10	J
11.	C13H14 ISOMER	16.30	6	J
12.	C13H12 ISOMER	16.91	8	J
13.	UNKNOWN	22.26	4	J
14.				
15.				
16.				
17.				
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-6RA
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	J	9	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-6RA
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		53%				
13127-88-3	Phenol-D6		44%				
4165-60-0	Nitrobenzene-D5		67%				
321-60-8	2-Fluorobiphenyl		* 89%				
118-79-6	2,4,6-Tribromophenol		98%				
1718-51-0	Terphenyl-D14		95%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-07-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 297 NAS KEY WEST — SDG No.: CTO297-4

Matrix: (soil/water) WATER — Lab Sample ID: WU0346-6RA

Sample wt/vol: 1.030 (g/L) L — Lab File ID: X4732

Level: (low/med) LOW — Date Received: 02/07/04

% Moisture: _____ decanted: (Y/N)___ — Date Extracted: 02/13/04

Concentrated Extract Volume: 0.0010 (L) — Date Analyzed: 03/11/04

Injection Volume: _____(uL) — Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.33	400	JB
2.	UNKNOWN	5.22	40	JB
3.	C10H16 ISOMER	11.48	5	J
4.	C11H10 ISOMER	13.26	7	J
5.	C12H12 ISOMER	14.37	5	J
6.	C12H12 ISOMER	14.52	8	J
7.	C12H12 ISOMER	14.71	9	J
8.	C12H12 ISOMER	14.96	6	J
9.	UNKNOWN	16.00	10	J
10.	C13H14 ISOMER	16.31	8	J
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/05/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-10DL2
Client ID: G01-MW-08-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		96	100	0.20	19	4.8
91-57-6	2-Methylnaphthalene		160	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	J	7.8	100	0.20	19	5.8
85-01-8	Phenanthrene	J	11	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		130	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: CTO 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/05/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-8DL2
Client ID: G01-MW-09-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		7.5	5.0	0.20	0.98	0.24
91-57-6	2-Methylnaphthalene		11	5.0	0.20	0.98	0.39
208-96-8	Acenaphthylene	U	0.98	5.0	0.20	0.98	0.24
83-32-9	Acenaphthene		1.0	5.0	0.20	0.98	0.39
86-73-7	Fluorene	J	0.91	5.0	0.20	0.98	0.29
85-01-8	Phenanthrene	J	0.68	5.0	0.20	0.98	0.39
120-12-7	Anthracene	U	0.98	5.0	0.20	0.98	0.39
206-44-0	Fluoranthene	U	0.98	5.0	0.20	0.98	0.54
129-00-0	Pyrene	U	0.98	5.0	0.20	0.98	0.44
56-55-3	Benzo(a)anthracene	U	0.98	5.0	0.20	0.98	0.59
218-01-9	Chrysene	U	0.98	5.0	0.20	0.98	0.34
205-99-2	Benzo(b)fluoranthene	U	0.98	5.0	0.20	0.98	0.44
207-08-9	Benzo(k)fluoranthene	U	0.98	5.0	0.20	0.98	0.39
50-32-8	Benzo(a)pyrene	U	0.98	5.0	0.20	0.98	0.44
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.98	5.0	0.20	0.98	0.49
53-70-3	Dibenzo(a,h)anthracene	U	0.98	5.0	0.20	0.98	0.74
191-24-2	Benzo(g,h,i)perylene	U	0.98	5.0	0.20	0.98	0.39
90-12-0	1-Methylnaphthalene		11	5.0	0.20	0.98	0.39
7297-45-2	2-Methylnaphthalene-d10		74%				
81103-79-9	Fluorene-d10		54%				
1718-52-1	Pyrene-d10		48%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/05/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-7DL2
Client ID: G01-MW-10-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		47	25	0.20	4.8	1.2
91-57-6	2-Methylnaphthalene		71	25	0.20	4.8	1.9
208-96-8	Acenaphthylene	U	4.8	25	0.20	4.8	1.2
83-32-9	Acenaphthene	J	3.3	25	0.20	4.8	1.9
86-73-7	Fluorene	J	4.2	25	0.20	4.8	1.4
85-01-8	Phenanthrene	J	3.6	25	0.20	4.8	1.9
120-12-7	Anthracene	U	4.8	25	0.20	4.8	1.9
206-44-0	Fluoranthene	U	4.8	25	0.20	4.8	2.7
129-00-0	Pyrene	U	4.8	25	0.20	4.8	2.2
56-55-3	Benzo(a)anthracene	U	4.8	25	0.20	4.8	2.9
218-01-9	Chrysene	U	4.8	25	0.20	4.8	1.7
205-99-2	Benzo(b)fluoranthene	U	4.8	25	0.20	4.8	2.2
207-08-9	Benzo(k)fluoranthene	U	4.8	25	0.20	4.8	1.9
50-32-8	Benzo(a)pyrene	U	4.8	25	0.20	4.8	2.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.8	25	0.20	4.8	2.4
53-70-3	Dibenzo(a,h)anthracene	U	4.8	25	0.20	4.8	3.6
191-24-2	Benzo(g,h,i)perylene	U	4.8	25	0.20	4.8	1.9
90-12-0	1-Methylnaphthalene		56	25	0.20	4.8	1.9
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 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/06/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-1DL2
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		18	20	0.20	3.8	0.95
91-57-6	2-Methylnaphthalene		44	20	0.20	3.8	1.5
208-96-8	Acenaphthylene	U	3.8	20	0.20	3.8	0.95
83-32-9	Acenaphthene	J	3.4	20	0.20	3.8	1.5
86-73-7	Fluorene		4.3	20	0.20	3.8	1.1
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
50-32-3	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	2.8
191-24-2	Benzo(g,h,i)perylene	U	3.8	20	0.20	3.8	1.5
90-12-0	1-Methylnaphthalene		41	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 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-2
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene		14	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene		35	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	J	3	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	J	3	1.0	10	10	2
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-2
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	J	4	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		* 33%				
13127-88-3	Phenol-D6		25%				
4165-60-0	Nitrobenzene-D5		45%				
321-60-8	2-Fluorobiphenyl		57%				
118-79-6	2,4,6-Tribromophenol		96%				
1718-51-0	Terphenyl-D14		101%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-11-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 297 NAS KEY WEST — SDG No.: CTO297-4

Matrix: (soil/water) WATER — Lab Sample ID: WU0346-2

Sample wt/vol: 1.050 (g/L) L — Lab File ID: X4726

Level: (low/med) LOW — Date Received: 02/07/04

% Moisture: _____ decanted: (Y/N)___ — Date Extracted: 02/13/04

Concentrated Extract Volume: 0.0010 (L) — Date Analyzed: 03/11/04

Injection Volume: _____(uL) — Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.35	300	JB
2.	UNKNOWN	5.22	40	JB
3.	UNKNOWN	10.89	6	J
4.	C12H12 ISOMER	13.26	20	J
5.	C12H12 ISOMER	14.37	7	J
6.	C12H12 ISOMER	14.52	20	J
7.	C12H12 ISOMER	14.71	20	J
8.	C12H12 ISOMER	14.96	10	J
9.	C12H12 ISOMER	15.17	5	J
10.	UNKNOWN	15.79	20	J
11.	UNKNOWN	24.55	4	J
12.				
13.				
14.				
15.				
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-2RA
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene		13	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene		35	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	J	3	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	J	3	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-2RA
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	J	4	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		* 33%				
13127-88-3	Phenol-D6		23%				
4165-60-0	Nitrobenzene-D5		43%				
321-60-8	2-Fluorobiphenyl		58%				
118-79-6	2,4,6-Tribromophenol		84%				
1718-51-0	Terphenyl-D14		88%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

G01-MW-11-0204

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Matrix: (soil/water) WATER Lab Sample ID: WU0346-2RA

Sample wt/vol: 1.030 (g/L) L Lab File ID: X4730

Level: (low/med) LOW Date Received: 02/07/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/04

Concentrated Extract Volume: 0.0010 (L) Date Analyzed: 03/11/04

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.35	300	JB
2.	UNKNOWN	5.22	40	JB
3.	C10H14 ISOMER	9.90	4	J
4.	C10H14 ISOMER	10.89	6	J
5.	C11H10 ISOMER	13.26	20	J
6.	C12H12 ISOMER	14.37	8	J
7.	C12H12 ISOMER	14.52	20	J
8.	C12H12 ISOMER	14.71	20	J
9.	C12H12 ISOMER	14.97	10	J
10.	C12H12 ISOMER	15.17	6	J
11.	UNKNOWN	15.79	20	J
12.	UNKNOWN ALKANE	27.54	7	J
13.				
14.				
15.				
16.				
17.				
18.				
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/05/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-9DL2
Client ID: G01-MW-12-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		28	25	0.20	4.8	1.2
91-57-6	2-Methylnaphthalene		60	25	0.20	4.8	1.9
208-96-8	Acenaphthylene	U	4.8	25	0.20	4.8	1.2
83-32-9	Acenaphthene		5.3	25	0.20	4.8	1.9
86-73-7	Fluorene		6.7	25	0.20	4.8	1.4
85-01-8	Phenanthrene		5.1	25	0.20	4.8	1.9
120-12-7	Anthracene	U	4.8	25	0.20	4.8	1.9
206-44-0	Fluoranthene	U	4.8	25	0.20	4.8	2.6
129-00-0	Pyrene	U	4.8	25	0.20	4.8	2.2
56-55-3	Benzo(a)anthracene	U	4.8	25	0.20	4.8	2.9
218-01-9	Chrysene	U	4.8	25	0.20	4.8	1.7
205-99-2	Benzo(b)fluoranthene	U	4.8	25	0.20	4.8	2.2
207-08-9	Benzo(k)fluoranthene	U	4.8	25	0.20	4.8	1.9
50-32-8	Benzo(a)pyrene	U	4.8	25	0.20	4.8	2.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.8	25	0.20	4.8	2.4
53-70-3	Dibenzo(a,h)anthracene	U	4.8	25	0.20	4.8	3.6
191-24-2	Benzo(g,h,i)perylene	U	4.8	25	0.20	4.8	1.9
90-12-0	1-Methylnaphthalene		61	25	0.20	4.8	1.9
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 297 NAS KEYWEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/05/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-3DL
Client ID: KW-DUP-02-0204
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		22	25	0.20	4.8	1.2
91-57-6	2-Methylnaphthalene		58	25	0.20	4.8	1.9
208-96-8	Acenaphthylene	U	4.8	25	0.20	4.8	1.2
83-32-9	Acenaphthene	J	3.4	25	0.20	4.8	1.9
86-73-7	Fluorene	J	4.0	25	0.20	4.8	1.4
85-01-8	Phenanthrene	J	4.8	25	0.20	4.8	1.9
120-12-7	Anthracene	U	4.8	25	0.20	4.8	1.9
206-44-0	Fluoranthene	U	4.8	25	0.20	4.8	2.7
129-00-0	Pyrene	U	4.8	25	0.20	4.8	2.2
56-55-3	Benzo(a)anthracene	U	4.8	25	0.20	4.8	2.9
218-01-9	Chrysene	U	4.8	25	0.20	4.8	1.7
205-99-2	Benzo(b)fluoranthene	U	4.8	25	0.20	4.8	2.2
207-08-9	Benzo(k)fluoranthene	U	4.8	25	0.20	4.8	1.9
50-32-8	Benzo(a)pyrene	U	4.8	25	0.20	4.8	2.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.8	25	0.20	4.8	2.4
53-70-3	Dibenzo(a,h)anthracene	U	4.8	25	0.20	4.8	3.6
191-24-2	Benzo(g,h,i)perylene	U	4.8	25	0.20	4.8	1.9
90-12-0	1-Methylnaphthalene		51	25	0.20	4.8	1.9
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 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-4
Client ID: KW-DUP-02-02-04
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene		20	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene		47	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	J	4	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	J	4	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-4
Client ID: KW-DUP-02-02~~04~~
SDG: CTO297-4 3.12.04
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	J	4	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		46%				
13127-88-3	Phenol-D6		39%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		* 93%				
118-79-6	2,4,6-Tribromophenol		101%				
1718-51-0	Terphenyl-D14		102%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

KW-DUP-02-02~~4~~04
3-12-04

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 297 NAS KEY WEST — SDG No.: CTO297-4

Matrix: (soil/water) WATER — Lab Sample ID: WU0346-4

Sample wt/vol: 1.030 (g/L) L — Lab File ID: X4727

Level: (low/med) LOW — Date Received: 02/07/04

% Moisture: _____ decanted: (Y/N)___ — Date Extracted: 02/13/04

Concentrated Extract Volume: 0.0010 (L) — Date Analyzed: 03/11/04

Injection Volume: _____(uL) — Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.36	500	JB
2.	UNKNOWN	5.22	50	JB
3.	UNKNOWN	9.91	4	J
4.	UNKNOWN	10.89	8	J
5.	C12H12 ISOMER	13.26	20	J
6.	C12H12 ISOMER	14.37	10	J
7.	C12H12 ISOMER	14.52	20	J
8.	C12H12 ISOMER	14.71	20	J
9.	C12H12 ISOMER	14.96	20	J
10.	C12H12 ISOMER	15.17	5	J
11.	C13H12 ISOMER	16.10	5	J
12.	C13H14 ISOMER	16.31	9	J
13.	UNKNOWN	18.32	5	J
14.	UNKNOWN	22.26	10	J
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-4RA
Client ID: KW-DUP-02-02~~1~~04
SDG: CTO297-4 3-10-04
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene		21	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene		49	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	J	4	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	J	4	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-4RA
Client ID: KW-DUP-02-02~~3~~04
SDG: CTO297-4 3-12-04
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	J	4	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		40%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		* 92%				
118-79-6	2,4,6-Tribromophenol		103%				
1718-51-0	Terphenyl-D14		101%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

KW-DUP-02-02~~1~~04
3-12-04

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Matrix: (soil/water) WATER Lab Sample ID: WU0346-4RA

Sample wt/vol: 1.030 (g/L) L Lab File ID: X4731

Level: (low/med) LOW Date Received: 02/07/04

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/04

Concentrated Extract Volume: 0.0010 (L) Date Analyzed: 03/11/04

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.35	500	JB
2.	UNKNOWN	5.22	50	JB
3.	C10H14 ISOMER	9.91	5	J
4.	UNKNOWN	10.89	8	J
5.	UNKNOWN	13.26	20	J
6.	C12H12 ISOMER	14.37	10	J
7.	C12H12 ISOMER	14.52	20	J
8.	C12H12 ISOMER	14.71	30	J
9.	C12H12 ISOMER	14.97	20	J
10.	C12H12 ISOMER	15.17	8	J
11.	UNKNOWN	15.95	20	J
12.	C13H14 ISOMER	16.11	5	J
13.	C13H14 ISOMER	16.30	10	J
14.	UNKNOWN	18.32	7	J
15.	UNKNOWN	22.26	10	J
16.				
17.				
18.				
19.				
20.				
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24.				
25.				
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-3
Client ID: G01-MW-01-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	510	1.0	500	510	290
	n-Triacontane-D62		70%				
	O-Terphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-2
Client ID: G01-MW-01A-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	510	1.0	500	510	290
	n-Triacontane-D62		79%				
	O-Terphenyl		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-5
Client ID: G01-MW-02-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
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		82%				
	O-Terphenyl		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-4
Client ID: G01-MW-03-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	300	1.0	500	500	270
	n-Triacontane-D62		74%				
	O-Terphenyl		87%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/04/04
Received Date: 02/05/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0318-6
Client ID: G01-MW-04-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		1000	1.0	500	500	280
	n-Triacontane-D62		72%				
	O-Terphenyl		* 81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-2
Client ID: G01-MW-05-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		620	1.0	500	500	270
	n-Triacontane-D62		64%				
	O-Terphenyl		* 72%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0334-1
Client ID: G01-MW-06-0204
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		5400	1.0	500	510	290
	n-Triacontane-D62		72%				
	O-Terphenyl		* 79%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/27/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-5
Client ID: G01-MW-07-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		570	1.0	500	500	280
	n-Triacontane-D62		78%				
	O-Terphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/27/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-10
Client ID: G01-MW-08-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		3100	1.0	500	500	270
	n-Triacontane-D62		98%				
	O-Terphenyl		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/27/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-8
Client ID: G01-MW-09-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		1100	1.0	500	500	280
	n-Triacontane-D62		90%				
	O-Terphenyl		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/27/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-7
Client ID: G01-MW-10-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		2200	1.0	500	500	280
	n-Triacontane-D62		90%				
	O-Terphenyl		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-1
Client ID: G01-MW-11-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
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		92%				
	O-Terphenyl		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/27/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-9
Client ID: G01-MW-12-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		3200	1.0	500	500	270
	n-Triacontane-D62		83%				
	O-Terphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO297 NAS KEY WEST
PO No:
Sample Date: 02/06/04
Received Date: 02/07/04
Extraction Date: 02/11/04
Analysis Date: 02/27/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WU0346-3
Client ID: KW-DUP-02-0204
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics		1700	1.0	500	500	270
	n-Triacontane-D62		95%				
	O-Terphenyl		99%				

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-01-0204

ID#: 0402100-02A

MODIFIED METHOD RSK-175 GC/FID

File Name:	021010	Date of Collection:	2/4/04
Dil Factor:	1.00	Date of Analysis:	2/10/04 11:34 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.20
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-01A-0204

ID#: 0402100-01A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7021008	Date of Collection:	2/4/04
Dil. Factor:	1.00	Date of Analysis:	2/10/04 10:51 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.16
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-02-0204

ID#: 0402100-04A

MODIFIED METHOD RSK-175 GC/FID

File Name:	0210.D2	Date of Collection:	2/4/04
Dil. Factor:	1.00	Date of Analysis:	2/10/04 12:17 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.057
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-03-0204

ID#: 0402100-03A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7021011	Date of Collection:	2/4/04
Dil. Factor:	1.00	Date of Analysis:	2/10/04 11:55 AM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	1.1
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-04-0204

ID#: 0402100-05A

MODIFIED METHOD RSK-175 GC/FID

File Name:	702 1013	Date of Collection:	2/4/04
Dil. Factor:	1.00	Date of Analysis:	2/10/04 12:38 PM

Compound	Rpt. Limit (ug/ml)	Amount (ug/ml)
Methane	0.010	0.50
Ethane	0.010	Not Detected
Ethene	0.010	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-05-0204

ID#: 0402144-02A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7024114	Date of Collection:	2/5/04
Dil. Factor:	1.00	Date of Analysis:	2/11/04 10:53 AM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	4400
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-06-0204

ID#: 0402144-01A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7024113	Date of Collection:	2/5/04
Dil. Factor:	1.00	Date of Analysis:	2/11/04 10:32 AM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	9100
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-07-0204

ID#: 0402145-03A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7021-21	Date of Collection:	2/6/04
Dil. Factor:	1.00	Date of Analysis:	2/11/04 01:22 PM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	940
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-08-0204

ID#: 0402145-07A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	021125	Date of Collection:	2/6/04
Dil. Factor:	1.00	Date of Analysis:	2/11/04 02:48 PM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	2600
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-09-0204

ID#: 0402145-05A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name: 702123 | Date of Collection: 2/6/04
DIL Factor: 1.00 | Date of Analysis: 2/11/04 12:05 PM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	3800
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-10-0204

ID#: 0402145-04A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	0241122	Date of Collection:	2/6/04
Dil Factor:	1.00	Date of Analysis:	2/11/04 01:29 PM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	2500
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: G01-MW-12-0204

ID#: 0402145-06A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7021124	Date of Collection:	2/6/04
Dil Factor:	1.00	Date of Analysis:	2/11/04 02:26 PM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	4700
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

AIR TOXICS LTD.

SAMPLE NAME: KW-Dup-02-0204

ID#: 0402145-02A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7021120	Date of Collection:	2/6/04
Dil. Factor:	1.00	Date of Analysis:	2/11/04 01:01 PM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	5500
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: VOA Vial-40 mL

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC.
CTO297 NAS KEY WEST
SDG: CTO297-4
WU0318, WU0334, WU0344,
WU0346, WU0347

KATAHDIN ANALYTICAL SERVICES, INC.
340 COUNTY ROAD 5
WESTBROOK, ME 04092

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE NAS KEY WEST CTO 297
SDG: CTO297-4
TASK ORDER MANAGER: CHARLES BRYAN

Sample Receipt

The following samples were received on February 5, 6 and 7, 2004 were logged in under Katahdin Analytical Services work order numbers WU0318, WU0334, WU0344, WU0346 and WU0347 with a hardcopy due date of March 4, 2004.

KATAHDIN Sample No.	TTNUS Sample Identification
WU0318-1	KWTB-020404
WU0318-2	G01-MW-01A-0204
WU0318-3	G01-MW-01-0204
WU0318-4	G01-MW-03-0204
WU0318-5	G01-MW-02-0204
WU0318-6	G01-MW-04-0204
WU0334-1	G01-MW-06-0204
WU0334-2	G01-MW-05-0204
WU0334-3	TB-020504
WU0334-4	B01-MW-01-0204
WU0334-5	B01-MW-03-0204
WU0334-6	G01-MW-06-0204
WU0344-1	G01-MW-06-0204
WU0346-1	G01-MW-11-0204
WU0346-2	G01-MW-11-0204
WU0346-3	KW-DUP-02-0204
WU0346-4	KW-DUP-02-0204
WU0346-5	G01-MW-07-0204
WU0346-6	G01-MW-07-0204
WU0346-7	G01-MW-10-0204
WU0346-8	G01-MW-09-0204
WU0346-9	G01-MW-12-0204
WU0346-10	G01-MW-08-0204
WU0346-11	KWTB-020604
WU0347-1	G01-MW-11-0204
WU0347-2	KW-DUP-02-0204
WU0347-3	G01-MW-07-0204

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 CTO297-4 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, and/or "Methods for the Determination of Organic Compounds in Drinking Water", U.S. EPA, Environmental Monitoring and Support Laboratory - Cincinnati (September 1995), for the specific methods listed below or on the Report of Analysis. 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.

FL-PRO Analysis

Samples WU0318-6 and WU0334-1 and 2 had recoveries for the surrogate, o-terphenyl that were low and outside of the method acceptance limits. Since the recoveries for the second surrogate were acceptable, the samples were not reextracted.

8260 Analysis

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

Some method blanks may have detected one or more target analytes above the MDL. 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 WU0334-1 and WU0346-8 were unpreserved samples. These samples were analyzed with other samples in an analytical sequence, which resulted in a loss of response of target analytes. The data for these two samples were reported since they were analyzed within hold time, and they were unpreserved. The remaining other samples were reextracted within hold time. Samples WU0334-1 and WU0346-8 were reextracted 7 and 4 days out of the unpreserved hold time, respectively but within the 14 day preserved hold time. Sample WU0346-8 and the laboratory method blank WG5985-1RA had low or high recoveries for the surrogate TCMX on both channels that are outside of laboratory established acceptance limits. The laboratory control samples WG5985-2 and 3 had a low spike recovery for the analyte EDB that is outside of method established limits on both channels. The closing calibration verification (CV)

standard (files 3UB1132 and 3UB2132) had low responses for TCMX and EDB on both channels, which resulted in %D's that were outside of the method acceptance limit of 30%. All samples were reextracted since these deviations are likely due to the instrument malfunction.

The closing CV (files 3UB1197 and 3UB2197) had high responses for the surrogate TCMX on both channels which resulted in %D's that was outside of the method acceptance limit of 30%. The sample results for the surrogate may be biased high.

The opening CV (file 3UB1222) had a high response for the surrogate TCMX on Channel A, which resulted in a %D that was outside of the method acceptance limit of 30%. The sample results for the surrogate may be biased high on channel A.

The laboratory method blank WG6134-1 and laboratory control samples WG6134-2 and 3 had high recoveries for the surrogate TCMX on both channels that are outside of laboratory established acceptance limits.

The laboratory control samples WG6134-2 and 3 have a high spike recovery for the analyte EDB that is outside of method nominal acceptance limits on both channels. Since a high recovery would indicate a high bias and the associated sample did not detect EDB, the sample was not reextracted.

8720C Analysis

The laboratory method blanks WG5942-1 and WG6031-1 had high recoveries for 2-fluorobiphenyl and/or 2,4,6-tribromophenol, which were outside the laboratory established acceptance limits. Since a high recovery would indicate a high bias and there were no target analytes detected above the MDL, the samples were not reanalyzed.

The LCSs WG5942-2 and WG6031-2 and the LCSDs WG5942-3 and WG6031-3 had high recoveries for the surrogates 2-fluorobiphenyl and/or 2,4,6-tribromophenol, which were outside the laboratory established acceptance limits. Since all of the spiked analytes were within the acceptance limits, the samples were not reanalyzed.

Samples WU0346-4 and 6 had high recoveries for the surrogate 2-fluorobiphenyl, which were outside the laboratory established acceptance limits. The samples were reanalyzed with similar results. The results of both analyses are reported

Samples WU0346-2 had a low recovery for the surrogate 2-fluorophenol, which was outside the laboratory established acceptance limits. The samples were reanalyzed with similar results. The results of both analyses are reported

The initial calibration analyzed on the X instrument had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analyte bis(2-chloroethyl)ether failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. This compound was calibrated using the average model. Since none of the associated samples detected this target analytes above the PQL, the sample was not reanalyzed.

The calibration verification standard (CV) (file X4718) had a high response for the calibration check compound (CCC) phenol, which resulted in a %D that was outside the method acceptance limit of 20%. Since a high response would indicate a high bias and the associated sample did not detect any analytes above the PQL, the sample was not reanalyzed.

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived 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.

8270C SIM 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 phthalate ester contaminants) in the LCS are outside of the QC limits.

The calibration verification standard (file X4606) had a high response for internal standard perylene-d12, which were high and resulted in a %D that was outside the method acceptance limits of -50% to +100% of the response of the mid-point standard level of the initial calibration. Since none of the associated samples detected any target analytes above the PQL that are quantitated against this internal standard, the samples were not reanalyzed.

Sample WU0334-1 had responses for the internal standards anthracene-d10, chrysene-d12 and perylene-d12, which were high and outside the method acceptance limits of –50% to +100% of the responses of the internal standards from the daily calibration verification standard. Also, the surrogate fluorene-d10 had a recovery that was low and outside of the laboratory established acceptance limits. This is likely due to matrix interference.

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

Metals Analysis

The samples of Katahdin SDG CTO297-4 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. WU0318-(2-6), WU0334-(1-2), and WU0346-(1,3,5,7-10) were digested for ICP analysis on 02/18/04 (QC Batch UB18ICW0) in accordance with USEPA Method 3010A.

ICP analyses of SDG CTO297-4 sample digestates were performed using a Thermo Jarrell Ash (TJA) 61E 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.

Matrix QC Summary

All of the recoveries for the matrix spike aliquots of Katahdin Sample No. WU0318-2 were 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 precision analyses of Katahdin Sample No. WU0318-2 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. WU0318-2 was within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for lead.

Wet Chemistry Analysis

The samples of SDG CTO297-4 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for nitrate and sulfate were performed according to "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 times. All quality control criteria were met, with the following comments or exceptions:

The matrix spike recovery for sulfate (0%) in Katahdin Sample No. WU0346-1 is outside the laboratory's acceptance limits.

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.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

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 Laboratory Manager, Quality Assurance Officer, or the Data Management Supervisor as verified by the following signature.

María Crouch
03.12.04
María Crouch
Quality Assurance Officer

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
NTA	MG/L	G01-MW-07-0204	WU0346-5	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
NTA	MG/L	G01-MW-12-0204	WU0346-9	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
NTA	MG/L	KW-DUP-02-0204	WU0346-3	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
NTA	MG/L	G01-MW-11-0204	WU0346-1	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
NTA	MG/L	G01-MW-10-0204	WU0346-7	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
NTA	MG/L	G01-MW-08-0204	WU0346-10	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
NTA	MG/L	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/06/2004	02/06/2004	1	0	1
NTA	MG/L	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/06/2004	02/06/2004	1	0	1
NTA	MG/L	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/06/2004	02/06/2004	2	0	2
NTA	MG/L	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/06/2004	02/06/2004	2	0	2
NTA	MG/L	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/06/2004	02/06/2004	2	0	2
NTA	MG/L	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/06/2004	02/06/2004	2	0	2
NTA	MG/L	G01-MW-01-0204	WU0318-3	NM	02/04/2004	02/06/2004	02/06/2004	2	0	2
NTA	MG/L	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/07/2004	02/07/2004	1	0	1
SO4	MG/L	G01-MW-08-0204	WU0346-10	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18
SO4	MG/L	KW-DUP-02-0204	WU0346-3	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18
SO4	MG/L	G01-MW-12-0204	WU0346-9	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18
SO4	MG/L	G01-MW-11-0204	WU0346-1	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
SO4	MG/L	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18
SO4	MG/L	G01-MW-07-0204	WU0346-5	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18
SO4	MG/L	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/24/2004	02/24/2004	19	0	19
SO4	MG/L	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/24/2004	02/24/2004	20	0	20
SO4	MG/L	G01-MW-10-0204	WU0346-7	NM	02/06/2004	02/24/2004	02/24/2004	18	0	18
SO4	MG/L	G01-MW-01-0204	WU0318-3	NM	02/04/2004	02/24/2004	02/24/2004	20	0	20
SO4	MG/L	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/24/2004	02/24/2004	20	0	20
SO4	MG/L	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/24/2004	02/24/2004	20	0	20
SO4	MG/L	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/24/2004	02/24/2004	19	0	19
SO4	MG/L	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/24/2004	02/24/2004	20	0	20
OS	%	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
OS	%	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
OS	%	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	%	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	%	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
OS	%	G01-MW-08-0204DL2	WU0346-10DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	%	G01-MW-11-0204DL2	WU0346-1DL2	NM	02/06/2004	02/13/2004	03/06/2004	7	22	29
OS	%	G01-MW-01-0204RA	WU0318-3RA	NM	02/04/2004	02/06/2004	03/03/2004	2	26	28

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	G01-MW-11-0204	WU0346-2	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	%	G01-MW-06-0204RA	WU0334-6RA	NM	02/05/2004	02/09/2004	03/11/2004	4	31	35
OS	%	G01-MW-07-0204	WU0346-6	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	%	B01-MW-03-0204	WU0334-5	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	%	B01-MW-01-0204	WU0334-4	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	%	G01-MW-09-0204DL2	WU0346-8DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	%	G01-MW-11-0204RA	WU0346-2RA	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	%	G01-MW-12-0204DL2	WU0346-9DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	%	KW-DUP-02-0204	WU0346-4	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	%	KW-DUP-02-0204RA	WU0346-4RA	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	%	G01-MW-10-0204DL2	WU0346-7DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	%	G01-MW-07-0204RA	WU0346-6RA	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	%	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
OS	UG/L	G01-MW-09-0204DL2	WU0346-8DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	UG/L	B01-MW-03-0204	WU0334-5	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	UG/L	G01-MW-01-0204RA	WU0318-3RA	NM	02/04/2004	02/06/2004	03/03/2004	2	26	28
OS	UG/L	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
OS	UG/L	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/06/2004	03/02/2004	2	25	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-05-0204	WU0334-2	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	UG/L	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	UG/L	G01-MW-06-0204RA	WU0334-6RA	NM	02/05/2004	02/09/2004	03/11/2004	4	31	35
OS	UG/L	G01-MW-07-0204	WU0346-6	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	UG/L	B01-MW-01-0204	WU0334-4	NM	02/05/2004	02/09/2004	03/03/2004	4	23	27
OS	UG/L	G01-MW-08-0204DL2	WU0346-10DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	UG/L	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
OS	UG/L	G01-MW-10-0204DL2	WU0346-7DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	UG/L	G01-MW-11-0204	WU0346-2	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	UG/L	G01-MW-11-0204DL2	WU0346-1DL2	NM	02/06/2004	02/13/2004	03/06/2004	7	22	29
OS	UG/L	G01-MW-11-0204RA	WU0346-2RA	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	UG/L	G01-MW-12-0204DL2	WU0346-9DL2	NM	02/06/2004	02/13/2004	03/05/2004	7	21	28
OS	UG/L	KW-DUP-02-0204	WU0346-4	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	UG/L	KW-DUP-02-0204RA	WU0346-4RA	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	UG/L	G01-MW-07-0204RA	WU0346-6RA	NM	02/06/2004	02/13/2004	03/11/2004	7	27	34
OS	UG/L	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/06/2004	03/02/2004	2	25	27
EDB	%	G01-MW-03-0204	WU0318-4RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	%	G01-MW-01-0204	WU0318-3RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
EDB	%	G01-MW-02-0204	WU0318-5RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	%	G01-MW-04-0204	WU0318-6RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	%	G01-MW-05-0204	WU0334-2RE	NM	02/05/2004	02/17/2004	02/17/2004	12	0	12
EDB	%	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/11/2004	02/12/2004	6	1	7
EDB	%	G01-MW-06-0204	WU0334-1RE2	NM	02/05/2004	02/19/2004	02/19/2004	14	0	14
EDB	%	G01-MW-07-0204	WU0346-5RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/11/2004	02/12/2004	5	1	6
EDB	%	G01-MW-09-0204	WU0346-8RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	G01-MW-10-0204	WU0346-7RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	G01-MW-11-0204	WU0346-1RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	G01-MW-12-0204	WU0346-9RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	KW-DUP-02-0204	WU0346-3RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	G01-MW-08-0204	WU0346-10RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	%	G01-MW-01A-0204	WU0318-2RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	UG/L	G01-MW-12-0204	WU0346-9RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-04-0204	WU0318-6RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	UG/L	G01-MW-05-0204	WU0334-2RE	NM	02/05/2004	02/17/2004	02/17/2004	12	0	12
EDB	UG/L	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/11/2004	02/12/2004	6	1	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
EDB	UG/L	G01-MW-06-0204	WU0334-1RE2	NM	02/05/2004	02/19/2004	02/19/2004	14	0	14
EDB	UG/L	G01-MW-07-0204	WU0346-5RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-08-0204	WU0346-10RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/11/2004	02/12/2004	5	1	6
EDB	UG/L	G01-MW-09-0204	WU0346-8RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-01A-0204	WU0318-2RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	UG/L	KW-DUP-02-0204	WU0346-3RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-03-0204	WU0318-4RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	UG/L	G01-MW-11-0204	WU0346-1RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-10-0204	WU0346-7RE	NM	02/06/2004	02/17/2004	02/17/2004	11	0	11
EDB	UG/L	G01-MW-01-0204	WU0318-3RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
EDB	UG/L	G01-MW-02-0204	WU0318-5RE	NM	02/04/2004	02/17/2004	02/17/2004	13	0	13
OV	%	KW-DUP-02-0204	WU0347-2	NM	02/06/2004	02/13/2004	02/13/2004	7	0	7
OV	%	G01-MW-01-0204	WU0318-3	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	%	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	%	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	%	KWTB-020404	WU0318-1	NM	01/26/2004	02/12/2004	02/12/2004	17	0	17
OV	%	TB-020504	WU0334-3	NM	01/26/2004	02/10/2004	02/10/2004	15	0	15

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	G01-MW-12-0204	WU0346-9	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	%	G01-MW-11-0204	WU0347-1	NM	02/06/2004	02/13/2004	02/13/2004	7	0	7
OV	%	G01-MW-10-0204	WU0346-7	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	%	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	%	G01-MW-08-0204	WU0346-10	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	%	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	%	G01-MW-07-0204	WU0347-3	NM	02/06/2004	02/13/2004	02/13/2004	7	0	7
OV	%	G01-MW-06-0204	WU0344-1	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
OV	%	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/10/2004	02/10/2004	5	0	5
OV	%	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	%	KWTB-020604	WU0346-11	NM	01/26/2004	02/11/2004	02/11/2004	16	0	16
OV	UG/L	G01-MW-07-0204	WU0347-3	NM	02/06/2004	02/13/2004	02/13/2004	7	0	7
OV	UG/L	G01-MW-11-0204	WU0347-1	NM	02/06/2004	02/13/2004	02/13/2004	7	0	7
OV	UG/L	G01-MW-10-0204	WU0346-7	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	UG/L	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	UG/L	G01-MW-08-0204	WU0346-10	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	UG/L	G01-MW-06-0204	WU0344-1	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
OV	UG/L	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/10/2004	02/10/2004	5	0	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	UG/L	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	UG/L	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	UG/L	G01-MW-12-0204	WU0346-9	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
OV	UG/L	G01-MW-01-0204	WU0318-3	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	UG/L	TB-020504	WU0334-3	NM	01/26/2004	02/10/2004	02/10/2004	15	0	15
OV	UG/L	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/12/2004	02/12/2004	8	0	8
OV	UG/L	KWTB-020404	WU0318-1	NM	01/26/2004	02/12/2004	02/12/2004	17	0	17
OV	UG/L	KWTB-020604	WU0346-11	NM	01/26/2004	02/11/2004	02/11/2004	16	0	16
OV	UG/L	KW-DUP-02-0204	WU0347-2	NM	02/06/2004	02/13/2004	02/13/2004	7	0	7
ETHA	UG/L	G01-MW-12-0204	0402145-06A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHA	UG/L	KW-DUP-02-0204	0402145-02A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHA	UG/L	G01-MW-11-0204	0402145-01A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHA	UG/L	G01-MW-05-0204	0402144-02A	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
ETHA	UG/L	G01-MW-06-0204	0402144-01A	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
ETHA	UG/L	G01-MW-08-0204	0402145-07A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHA	UG/L	G01-MW-09-0204	0402145-05A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHA	UG/L	G01-MW-10-0204	0402145-04A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
ETHA	UG/L	G01-MW-07-0204	0402145-03A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHA	UG/ML	G01-MW-01A-0204	0402100-01A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHA	UG/ML	G01-MW-04-0204	0402100-05A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHA	UG/ML	G01-MW-02-0204	0402100-04A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHA	UG/ML	G01-MW-01-0204	0402100-02A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHA	UG/ML	G01-MW-03-0204	0402100-03A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHE	UG/L	G01-MW-11-0204	0402145-01A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/L	G01-MW-10-0204	0402145-04A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/L	G01-MW-12-0204	0402145-06A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/L	KW-DUP-02-0204	0402145-02A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/L	G01-MW-05-0204	0402144-02A	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
ETHE	UG/L	G01-MW-06-0204	0402144-01A	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
ETHE	UG/L	G01-MW-07-0204	0402145-03A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/L	G01-MW-08-0204	0402145-07A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/L	G01-MW-09-0204	0402145-05A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
ETHE	UG/ML	G01-MW-01A-0204	0402100-01A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHE	UG/ML	G01-MW-04-0204	0402100-05A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHE	UG/ML	G01-MW-02-0204	0402100-04A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
ETHE	UG/ML	G01-MW-01-0204	0402100-02A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
ETHE	UG/ML	G01-MW-03-0204	0402100-03A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
METH	UG/L	G01-MW-09-0204	0402145-05A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/L	G01-MW-08-0204	0402145-07A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/L	G01-MW-07-0204	0402145-03A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/L	G01-MW-06-0204	0402144-01A	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
METH	UG/L	G01-MW-05-0204	0402144-02A	NM	02/05/2004	02/11/2004	02/11/2004	6	0	6
METH	UG/L	G01-MW-11-0204	0402145-01A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/L	G01-MW-12-0204	0402145-06A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/L	G01-MW-10-0204	0402145-04A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/L	KW-DUP-02-0204	0402145-02A	NM	02/06/2004	02/11/2004	02/11/2004	5	0	5
METH	UG/ML	G01-MW-04-0204	0402100-05A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
METH	UG/ML	G01-MW-01-0204	0402100-02A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
METH	UG/ML	G01-MW-01A-0204	0402100-01A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
METH	UG/ML	G01-MW-03-0204	0402100-03A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
METH	UG/ML	G01-MW-02-0204	0402100-04A	NM	02/04/2004	02/10/2004	02/10/2004	6	0	6
TPH	%	G01-MW-12-0204	WU0346-9	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	%	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/06/2004	02/26/2004	1	20	21

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	%	KW-DUP-02-0204	WU0346-3	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	%	G01-MW-11-0204	WU0346-1	NM	02/06/2004	02/11/2004	02/26/2004	5	15	20
TPH	%	G01-MW-10-0204	WU0346-7	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	%	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	%	G01-MW-07-0204	WU0346-5	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	%	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/06/2004	02/26/2004	1	20	21
TPH	%	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	%	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	%	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	%	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	%	G01-MW-01-0204	WU0318-3	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	%	G01-MW-08-0204	WU0346-10	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	G01-MW-06-0204	WU0334-1	NM	02/05/2004	02/06/2004	02/26/2004	1	20	21
TPH	UG/L	G01-MW-01-0204	WU0318-3	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	UG/L	G01-MW-01A-0204	WU0318-2	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	UG/L	G01-MW-02-0204	WU0318-5	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	UG/L	G01-MW-03-0204	WU0318-4	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22
TPH	UG/L	G01-MW-05-0204	WU0334-2	NM	02/05/2004	02/06/2004	02/26/2004	1	20	21

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	UG/L	G01-MW-07-0204	WU0346-5	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	G01-MW-08-0204	WU0346-10	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	G01-MW-09-0204	WU0346-8	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	G01-MW-10-0204	WU0346-7	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	G01-MW-11-0204	WU0346-1	NM	02/06/2004	02/11/2004	02/26/2004	5	15	20
TPH	UG/L	G01-MW-12-0204	WU0346-9	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	KW-DUP-02-0204	WU0346-3	NM	02/06/2004	02/11/2004	02/27/2004	5	16	21
TPH	UG/L	G01-MW-04-0204	WU0318-6	NM	02/04/2004	02/06/2004	02/26/2004	2	20	22

WW0318

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 3883 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 318	NAS Key West	Chuck Bryan	803-649-7963	Katahdin - Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Emily McRee, Ben Cole		Emily McRee	(786) 295-7331	340 County Rd. No. 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
		834182781613		Westbrook, ME 04092

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

DATE YEAR	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 VOHs + BTEX, MTBE	PAH (include 1-methylnaph, 2-methylnaph)	TRPH	EDB	Methane	Lead	Nitrate + Sulfate	COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G	G	P	P	
PRESERVATIVE USED									HCl	—	HCl	HCl	HCl	HNO3	—	
1/26	0950	KWTB-020404	—	—	—	QC	G	2	2							
2/4	1015	601-MW-01A-0204	601-MW-01A	—	—	GW	G	13	3	2	2	2	2	1	1	
2/4	1210	601-MW-01-0204	601-MW-01	—	—	GW	G	13	3	2	2	2	2	1	1	
2/4	1005	601-MW-03-0204	601-MW-03	—	—	GW	G	13	3	2	2	2	2	1	1	
2/4	1510	601-MW-02-0204	601-MW-02	—	—	GW	G	13	3	2	2	2	2	1	1	
2/4	1515	601-MW-04-0204	601-MW-04	—	—	GW	G	13	3	2	2	2	2	1	1	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Emily McRee	2/4/04	1700	1. RECEIVED BY [illegible]	2/5/04	0920
2. RELINQUISHED BY			2. RECEIVED BY		
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

000021

WW0334 WW0344

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 3884 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 318	NAS Key West	Chuck Bryan	803-649-7963x345	Katahdin - Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Emily McRee		Emily McRee	786-295-7331	340 County Rd. No.5
		CARRIER/WAYBILL NUMBER		CITY, STATE
		834182781624		Westbrook, ME 04092

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

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 VOHs + BTEX + MTBE	PAH + 1-,2-methyl-naphthalene	TPH	EDB	Nitrate + Sulfate	Methane	Lead	Arsenic, Cad., Chrom., Lead	COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G	P	G	P	P	
PRESERVATIVE USED									HCl	/	HCl	HCl	/	HCl	HNO_3	Lead HNO_3	
2/5	1000	G01-MW-06-0204	G01-MW-06	—		GW	G	13	3	2	2	2	1	2		1	Rinsed HCl in VOA vials (this sam only
1/26	0950	TB-020504	—			QC	G	2	2								
2/5	0930	G01-MW-05-0204	G01-MW-05	—		GW	G	13	3	2	2	2	1	2	1		
2/5	1450	B01-MW-01-0204	B01-MW-01	—		GW	G	2		2							
2/5	1355	B01-MW-03-0204	B01-MW-03	—		GW	G	6		6							MS/MSD

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
Emily McRee	4/5/04	1600	[signature]	2-6-04	1035
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS
Note: Sample G01-MN-06-0204 contains a small amount of product!! Please report 8260 + 8270 TICs for this sample only.

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

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FORM NO. TtNUS-001

000023

WW0346

Cooler: TT#1

TETRA TECH NUS, INC. **CHAIN OF CUSTODY** | **NUMBER** 3831 | **PAGE** 1 **OF** 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 318	NAS Key West	Chuck Bryan	803-649-7963x344	Katahdin - Andrea Colby
SAMPLERS (SIGNATURE)		**FIELD OPERATIONS LEADER**	**PHONE NUMBER**	**ADDRESS**
Emily McRee		Emily McRee	786-295-7331	340 County Rd. No.5
		CARRIER/WAYBILL NUMBER		**CITY, STATE**
		834182781637 5		Westbrook, ME 04092

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	DPL VOHs + BTEX MTBE	EDB	Methane	PAH + 1,2-methyl-naphthalene	TRPH	Nitrate + Sulfate	Arsenic, Cadmium, Chromium, Lead	Lead	COMMENTS
									G	G	G	G	G	P	P	P	
									HCl	HCl	HCl	—	HCl	—	HNO_3	HNO_3	
2/6	1000	G01-MW-110204	G01-MW-11	—		GW	G	13	3	2	2	2	2	1	1		Report Organic TICs
2/6	0000	KW-DUP-02-0204		—		GW	G	13	3	2	2	2	2	1	1		Report Organic TICs
2/6	1025	G01-MW-10-0204	G01-MW-10	—		GW	G	13	3	2	2	2	2	1		1	
2/6	1240	G01-MW-09-0204	G01-MW-09	—		GW	G	13	3	2	2	2	2	1		1	VOC vials not preserved
2/6	1330	G01-MW-12-0204	G01-MW-12	—		GW	G	13	3	2	2	2	2	1		1	
1/26	0950	RWTB-020604		—		QC	G	2	2								
2/6	1510	G01-MW-07-0204	G01-MW-07	—		GW	G	13	3	2	2	2	2	1	1		Report Organic TICs
2/6	1605	G01-MW-08-0204	G01-MW-08	—		GW	G	13	3	2	2	2	2	1		1	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Emily McRee	2/6/04	1745	1. RECEIVED BY Fed Ex		
2. RELINQUISHED BY Fed Ex	~~02/07/04~~ 02/06/04	~~10:15~~	2. RECEIVED BY G. Brewer	02/07/04	10:15
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

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

4/02R
FORM NO. TtNUS-001

000034

HOLDTIME

SDG 2974

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	G01-MW-10-0204	WU0346-007	NM	02/06/2004	02/18/2004	02/24/2004	12	6	18
M	UG/L	G01-MW-01-0204	WU0318-003	NM	02/04/2004	02/18/2004	02/25/2004	14	7	21
M	UG/L	G01-MW-01A-0204	WU0318-002	NM	02/04/2004	02/18/2004	02/25/2004	14	7	21
M	UG/L	G01-MW-02-0204	WU0318-005	NM	02/04/2004	02/18/2004	02/25/2004	14	7	21
M	UG/L	G01-MW-03-0204	WU0318-004	NM	02/04/2004	02/18/2004	02/25/2004	14	7	21
M	UG/L	G01-MW-04-0204	WU0318-006	NM	02/04/2004	02/18/2004	02/25/2004	14	7	21
M	UG/L	G01-MW-05-0204	WU0334-002	NM	02/05/2004	02/18/2004	02/24/2004	13	6	19
M	UG/L	G01-MW-06-0204	WU0334-001	NM	02/05/2004	02/18/2004	02/24/2004	13	6	19
M	UG/L	G01-MW-07-0204	WU0346-005	NM	02/06/2004	02/18/2004	02/24/2004	12	6	18
M	UG/L	G01-MW-07-0204	WU0346-005	NM	02/06/2004	02/18/2004	02/25/2004	12	7	19
M	UG/L	G01-MW-09-0204	WU0346-008	NM	02/06/2004	02/18/2004	02/25/2004	12	7	19
M	UG/L	G01-MW-11-0204	WU0346-001	NM	02/06/2004	02/18/2004	02/24/2004	12	6	18
M	UG/L	G01-MW-12-0204	WU0346-009	NM	02/06/2004	02/18/2004	02/24/2004	12	6	18
M	UG/L	KW-DUP-02-0204	WU0346-003	NM	02/06/2004	02/18/2004	02/24/2004	12	6	18
M	UG/L	G01-MW-08-0204	WU0346-010	NM	02/06/2004	02/18/2004	02/24/2004	12	6	18

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/10/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5962-2
Client ID: WG5962-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5962
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
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
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
67-64-1	Acetone	U	5	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
67-66-3	Chloroform	J	0.2	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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	0.2	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5962-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: S9917 Lab Sample ID: WG5962-2

Date Analyzed: 02/10/04 Time Analyzed: 0937

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	WG5962-LCS	WG5962-1	S9915	02/10/04	0822
02	TB-020504	WU0334-3	S9920	02/10/04	1127
03	G01-MW-05-0204	WU0334-2	S9929	02/10/04	1650
04					
05					
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29					
30					

COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/10/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5962-2
Client ID: WG5962-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5962
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.3
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	J	0.6	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		79%				
17060-07-0	1,2-Dichloroethane-D4		76%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		84%				

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG6009-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: S9977 Lab Sample ID: WG6009-2

Date Analyzed: 02/12/04 Time Analyzed: 0950

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	WG6009-LCS	WG6009-1	S9975	02/12/04	0837
02	KWTB-020404	WU0318-1	S9981	02/12/04	1220
03	G01-MW-01A-0204	WU0318-2	S9984	02/12/04	1406
04	G01-MW-01-0204	WU0318-3	S9985	02/12/04	1441
05	G01-MW-03-0204	WU0318-4	S9986	02/12/04	1516
06	G01-MW-02-0204	WU0318-5	S9987	02/12/04	1551
07	G01-MW-04-0204	WU0318-6	S9988	02/12/04	1627
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COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6009-2
Client ID: WG6009-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
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
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride	U	2	1.0	2	2	0.4
67-64-1	Acetone	U	5	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
67-66-3	Chloroform	J	0.3	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6009-2
Client ID: WG6009-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.3
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	J	0.7	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		91%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		83%				

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5981-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: Z0076 Lab Sample ID: WG5981-2

Date Analyzed: 02/11/04 Time Analyzed: 1028

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	WG5981-LCS	WG5981-1	Z0074	02/11/04	0914
02	KWTB-020604	WU0346-11	Z0077	02/11/04	1107
03	G01-MW-06-0204	WU0344-1	Z0080	02/11/04	1258
04	G01-MW-10-0204	WU0346-7	Z0081	02/11/04	1335
05	G01-MW-09-0204	WU0346-8	Z0082	02/11/04	1412
06	G01-MW-12-0204	WU0346-9	Z0083	02/11/04	1449
07	G01-MW-08-0204	WU0346-10	Z0084	02/11/04	1526
08					
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COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5981-2
Client ID: WG5981-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
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
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon 113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride		5	1.0	2	2	0.4
67-64-1	Acetone	U	5	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
67-66-3	Chloroform	J	0.8	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5981-2
Client ID: WG5981-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.3
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		92%				

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG6035-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: Z0117 Lab Sample ID: WG6035-2

Date Analyzed: 02/13/04 Time Analyzed: 1021

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	WG6035-LCS	WG6035-1	Z0115	02/13/04	0904
02	G01-MW-11-0204	WU0347-1	Z0124	02/13/04	1440
03	KW-DUP-02-0204	WU0347-2	Z0125	02/13/04	1517
04	G01-MW-07-0204	WU0347-3	Z0126	02/13/04	1554
05					
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COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6035-2
Client ID: WG6035-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.2
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
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.2
100-44-7	Diethyl Ether	U	1	1.0	1	1	0.1
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.1
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.2
76-13-1	Freon-113	U	1	1.0	1	1	0.3
75-09-2	Methylene Chloride		4	1.0	2	2	0.4
67-64-1	Acetone	U	5	1.0	5	5	1
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
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.8
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.09
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.2
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.1
67-66-3	Chloroform	J	0.9	1.0	1	1	0.1
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.1
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	1
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.9
78-93-3	2-Butanone	U	5	1.0	5	5	1
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
74-95-3	Dibromomethane	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
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	0.8
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
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.2
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.09
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6035-2
Client ID: WG6035-Blank
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.09
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	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
100-42-5	Styrene	U	1	1.0	1	1	0.1
75-25-2	Bromoform	U	1	1.0	1	1	0.1
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.2
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.2
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.2
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.1
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.2
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.3
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.3
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.2
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.2
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.3
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.4
108-70-3	1,3,5-Trichlorobenzene	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.2
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		89%				

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: SB593 BFB Injection Date: 02/04/04

Instrument ID: GCMS-S BFB Injection Time: 1553

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	21.2
75	30.0 - 60.0% of mass 95	52.0
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	81.4
175	5.0 - 9.0% of mass 174	6.0 (7.3)1
176	95.0 - 101.0% of mass 174	79.4 (97.6)1
177	5.0 - 9.0% of mass 176	4.3 (5.4)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		VSTD020S04A	S9839	02/04/04	1654
02		VSTD005S04A	S9840	02/04/04	1729
03		VSTD001S04B	S9842	02/04/04	1840
04		VSTD200S04A	S9843	02/04/04	1916
05		VSTD100S04A	S9844	02/04/04	1951
06		VSTD050S04B	S9845	02/04/04	2026
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date(s): 02/04/04 02/04/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1618 2026

LAB FILE ID: RF1: S9842 RF5: S9840 RF20: S9839
RF50: S9845 RF100: S9844 RF200: S9843

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.249	0.354	0.369	0.336	0.347	0.359	AVRG		0.33565361	13.114	15.000
Chloromethane	0.468	0.562	0.514	0.433	0.423	0.418	AVRG		0.46972178	12.277	15.000
Vinyl chloride	0.394	0.485	0.536	0.445	0.446	0.458	AVRG		0.46068389	10.227	15.000
Bromomethane	1356	5469	31913	104100	224510	401670	LINR	3.715e-002	3.50888252	0.99945	0.99000
Chloroethane	0.337	0.353	0.361	0.308	0.300	0.284	AVRG		0.32390839	9.539	15.000
Trichlorofluoromethane	0.583	0.719	0.773	0.700	0.728	0.749	AVRG		0.70869177	9.401	15.000
Diethyl Ether	0.363	0.366	0.380	0.348	0.346	0.330	AVRG		0.35531238	4.964	15.000
1,1-Dichloroethene	0.369	0.412	0.425	0.404	0.405	0.382	AVRG		0.39953797	5.078	15.000
Carbon Disulfide	1.369	1.611	1.693	1.556	1.560	1.476	AVRG		1.54412230	7.241	15.000
Freon-113	0.305	0.322	0.320	0.303	0.312	0.318	AVRG		0.31337400	2.492	15.000
Methylene Chloride	12830	28733	86567	210160	409980	695570	LINR	-0.1078527	2.08534535	0.99898	0.99000
Acetone	1957	7919	31366	74526	150410	268880	LINR	-0.2069348	26.7760036	0.99958	0.99000
trans-1,2-Dichloroethene	0.426	0.510	0.504	0.487	0.485	0.450	AVRG		0.47698825	6.792	15.000
Methyl tert-butyl ether	1.272	1.408	1.476	1.392	1.374	1.322	AVRG		1.37395426	5.143	15.000
1,1-Dichloroethane	0.890	0.968	0.980	0.882	0.892	0.858	AVRG		0.91179724	5.481	15.000
Vinyl Acetate	0.476	0.634	0.729	0.660	0.680	0.683	AVRG		0.64382213	13.649	15.000
cis-1,2-Dichloroethene	0.427	0.534	0.528	0.533	0.520	0.505	AVRG		0.50802747	8.048	15.000
1,2-Dichloroethylene (tot							AVRG				0.000
2,2-Dichloropropane	0.627	0.790	0.801	0.706	0.723	0.743	AVRG		0.73177903	8.628	15.000
Bromochloromethane	0.233	0.286	0.287	0.274	0.267	0.261	AVRG		0.26813720	7.449	15.000
Chloroform	1.096	1.042	0.991	0.921	0.916	0.907	AVRG		0.97875199	7.966	15.000
Carbon Tetrachloride	0.327	0.423	0.444	0.431	0.431	0.447	AVRG		0.41722757	10.851	15.000
Tetrahydrofuran	0.062	0.086	0.095	0.092	0.092	0.090	AVRG		8.618e-002	14.293	15.000
1,1,1-Trichloroethane	0.601	0.776	0.793	0.729	0.747	0.759	AVRG		0.73440449	9.383	15.000
1,1-Dichloropropene	2821	20440	93604	260580	531500	958010	LINR	-1.55e-003	2.12550410	0.99996	0.99000
2-Butanone	975	8928	37471	98872	201000	361720	LINR	-5.51e-002	19.7556127	0.99984	0.99000
Benzene	1.190	1.372	1.421	1.381	1.340	1.305	AVRG		1.33482101	6.074	15.000
1,2-Dichloroethane	0.481	0.543	0.550	0.505	0.492	0.527	AVRG		0.51638744	5.439	15.000
Trichloroethene	0.308	0.356	0.364	0.356	0.343	0.344	AVRG		0.34513225	5.790	15.000
Dibromomethane	0.207	0.232	0.227	0.218	0.210	0.222	AVRG		0.21926481	4.400	15.000
1,2-Dichloropropane	0.300	0.335	0.340	0.329	0.319	0.318	AVRG		0.32361286	4.412	15.000
Bromodichloromethane	0.457	0.505	0.530	0.503	0.489	0.505	AVRG		0.49818868	4.887	15.000
cis-1,3-dichloropropene	0.419	0.567	0.623	0.595	0.583	0.603	AVRG		0.56505885	13.107	15.000
2-Chloroethylvinylether	840	5947	31207	87205	183440	354640	LINR	4.724e-002	5.74422228	0.99901	0.99000
Toluene	0.625	0.787	0.861	0.817	0.796	0.798	AVRG		0.78067826	10.326	15.000
4-methyl-2-pentanone	0.179	0.255	0.278	0.252	0.239	0.246	AVRG		0.24143872	13.855	15.000
Tetrachloroethene	0.375	0.357	0.357	0.397	0.379	0.394	AVRG		0.37649519	4.574	15.000
trans-1,3-Dichloropropene	0.382	0.518	0.546	0.517	0.499	0.533	AVRG		0.49916884	11.899	15.000
1,1,2-Trichloroethane	0.206	0.259	0.262	0.248	0.236	0.248	AVRG		0.24316198	8.431	15.000
Dibromochloromethane	0.348	0.443	0.438	0.422	0.428	0.444	AVRG		0.42039052	8.707	15.000
1,3-Dichloropropane	0.577	0.682	0.667	0.629	0.635	0.641	AVRG		0.63845773	5.690	15.000
1,2-Dibromoethane	0.257	0.294	0.303	0.290	0.278	0.299	AVRG		0.28690503	5.859	15.000
2-Hexanone	0.156	0.220	0.223	0.214	0.216	0.216	AVRG		0.20757192	12.196	15.000
Chlorobenzene	0.980	1.102	1.074	1.007	0.992	0.992	AVRG		1.02469027	4.951	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date(s): 02/04/04 02/04/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1618 2026

LAB FILE ID: RF1: S9842 RF5: S9840 RF20: S9839
RF50: S9845 RF100: S9844 RF200: S9843

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
Ethylbenzene	1.435	1.783	1.877	1.772	1.767	1.744	AVRG		1.72961207	8.770	15.000
1,1,1,2-Tetrachloroethane	0.379	0.435	0.429	0.407	0.411	0.418	AVRG		0.41341393	4.789	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.477	0.641	0.661	0.623	0.622	0.598	AVRG		0.60382697	10.834	15.000
o-Xylene	2915	23295	104140	283810	559290	1050700	LINR	-4.1e-003	1.65503587	0.99997	0.99000
Styrene	4781	39431	177600	496550	988720	1857300	LINR	3.147e-003	0.93455346	0.99998	0.99000
Bromoform	0.222	0.292	0.282	0.273	0.278	0.296	AVRG		0.27362434	9.766	15.000
Isopropylbenzene	6752	54279	245280	670920	1330600	2489500	LINR	-6.32e-003	0.40481733	0.99992	0.99000
Bromobenzene	0.673	0.857	0.880	0.851	0.844	0.855	AVRG		0.82680922	9.238	15.000
N-Propylbenzene	9106	73016	332400	869420	1698000	3120200	LINR	-2.69e-002	0.32341083	0.99958	0.99000
1,1,2,2-Tetrachloroethane	0.770	0.780	0.756	0.685	0.681	0.701	AVRG		0.72860204	6.153	15.000
1,3,5-Trimethylbenzene	5907	47656	216320	581040	1169900	2131400	LINR	-1.69e-002	0.47170433	0.99955	0.99000
2-Chlorotoluene	0.499	0.699	0.709	0.679	0.675	0.658	AVRG		0.65310971	11.875	15.000
1,2,3-Trichloropropane	0.997	0.928	0.970	0.837	0.835	0.904	AVRG		0.91181748	7.352	15.000
4-Chlorotoluene	1.616	2.066	2.234	2.102	2.083	2.067	AVRG		2.02772369	10.430	15.000
tert-Butylbenzene	1.767	2.291	2.520	2.313	2.357	2.070	AVRG		2.21975165	11.920	15.000
1,2,4-Trimethylbenzene	6076	52227	231010	617030	1245300	2311300	LINR	-8.23e-003	0.43576762	0.99985	0.99000
P-Isopropyltoluene	5072	45171	210340	560610	1133100	2089900	LINR	-9.41e-003	0.48141188	0.99976	0.99000
1,3-Dichlorobenzene	1.285	1.543	1.597	1.487	1.491	1.485	AVRG		1.48123385	7.124	15.000
1,4-Dichlorobenzene	1.681	1.680	1.674	1.499	1.479	1.474	AVRG		1.58117790	6.749	15.000
N-Butylbenzene	5270	42811	197170	516570	1051800	1940000	LINR	-1.e-002	0.51885227	0.99975	0.99000
sec-Butylbenzene	6669	54056	245930	662770	1324000	2442600	LINR	-1.27e-002	0.41216206	0.99976	0.99000
1,2-Dichlorobenzene	1.206	1.469	1.501	1.365	1.370	1.415	AVRG		1.38758000	7.496	15.000
1,2-Dibromo-3-Chloropropa	0.328	0.286	0.254	0.241	0.244	0.250	AVRG		0.26702687	12.755	15.000
1,3,5-Trichlorobenzene	0.784	0.603	0.641	0.576	0.588	0.616	AVRG		0.63478774	12.086	15.000
Hexachlorobutadiene	0.314	0.337	0.318	0.287	0.285	0.284	AVRG		0.30437729	7.261	15.000
1,2,4-Trichlorobenzene	0.611	0.680	0.754	0.675	0.708	0.735	AVRG		0.69388920	7.350	15.000
1,2,3-Trimethylbenzene	13472	57291	225880	599500	1157100	2155000	LINR	-1.72e-002	0.66829983	0.99979	0.99000
Naphthalene	0.766	0.906	0.920	0.970	0.994	0.990	AVRG		0.92438398	9.239	15.000
1,2,3-Trichlorobenzene	0.387	0.456	0.419	0.402	0.400	0.399	AVRG		0.41058333	6.040	15.000
Dibromofluoromethane	0.674	0.542	0.548	0.526	0.513	0.502	AVRG		0.55099583	11.338	15.000
1,2-Dichloroethane-D4	0.827	0.702	0.675	0.603	0.604	0.633	AVRG		0.67392586	12.538	15.000
Toluene-D8	1.182	1.120	1.160	1.139	1.077	1.070	AVRG		1.12489403	3.986	15.000
P-Bromofluorobenzene	6122	22233	88398	249960	489430	912440	LINR	-4.81e-003	2.24730393	0.99974	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date(s): 02/04/04 02/04/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1618 2026

Average %RSD test result.

Calculate Average %RSD: 9.023885727
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: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: SB597 BFB Injection Date: 02/10/04

Instrument ID: GCMS-S BFB Injection Time: 0715

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	19.8
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	75.8
175	5.0 - 9.0% of mass 174	5.3 (7.0)1
176	95.0 - 101.0% of mass 174	75.0 (99.0)1
177	5.0 - 9.0% of mass 176	5.4 (7.2)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		VSTD050S10A	S9914	02/10/04	0741
02	WG5962-LCS	WG5962-1	S9915	02/10/04	0822
03	WG5962-BLANK	WG5962-2	S9917	02/10/04	0937
04	TB-020504	WU0334-3	S9920	02/10/04	1127
05	G01-MW-05-0204	WU0334-2	S9929	02/10/04	1650
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FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date: 02/10/04 Time: 0741

Lab File ID: S9914 Init. Calib. Date(s): 02/04/04 02/04/04

Init. Calib. Times: 1618 2026

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	
Dichlorodifluoromethane	0.3360000	0.3187800	0.3187800	0.01	-5.12		AVRG	
Chloromethane	0.4700000	0.4184900	0.4184900	0.1	-10.96		AVRG	
Vinyl chloride	0.4610000	0.4637900	0.4637900	0.01	0.60	20.00	AVRG	
Bromomethane	30.161000	50.000000	0.1613200	0.01	-39.68		LINR	
Chloroethane	0.3240000	0.3064000	0.3064000	0.01	-5.43		AVRG	
Trichlorofluoromethane	0.7090000	0.6727700	0.6727700	0.01	-5.11		AVRG	
Diethyl Ether	0.3560000	0.3468900	0.3468900	0.01	-2.56		AVRG	
1,1-Dichloroethene	0.4000000	0.3855900	0.3855900	0.01	-3.60	20.00	AVRG	
Carbon Disulfide	1.5440000	1.4842000	1.4842000	0.01	-3.87		AVRG	
Freon-113	0.3130000	0.3313500	0.3313500	0.01	5.86		AVRG	
Methylene Chloride	49.411000	50.000000	0.5256100	0.01	-1.18		LINR	
Acetone	247.19000	250.00000	3.85e-002	0.01	-1.12		LINR	
trans-1,2-Dichloroethene	0.4770000	0.4643800	0.4643800	0.01	-2.64		AVRG	
Methyl tert-butyl ether	1.3740000	1.2754000	1.2754000	0.01	-7.18		AVRG	
1,1-Dichloroethane	0.9120000	0.8457700	0.8457700	0.3	-7.26		AVRG	
Vinyl Acetate	0.6440000	0.6613900	0.6613900	0.01	2.70		AVRG	
cis-1,2-Dichloroethene	0.5080000	0.5155200	0.5155200	0.01	1.48		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.9799000	0.9799000	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.7320000	0.7125500	0.7125500	0.01	-2.66		AVRG	
Bromochloromethane	0.2680000	0.2529400	0.2529400	0.01	-5.62		AVRG	
Chloroform	0.9790000	0.8938500	0.8938500	0.01	-8.70	20.00	AVRG	
Carbon Tetrachloride	0.4170000	0.4025400	0.4025400	0.01	-3.47		AVRG	
Tetrahydrofuran	8.6e-002	8.39e-002	8.39e-002	0.01	-2.44		AVRG	
1,1,1-Trichloroethane	0.7340000	0.6921000	0.6921000	0.01	-5.71		AVRG	
1,1-Dichloropropene	49.286000	50.000000	0.4644900	0.01	-1.43		LINR	
2-Butanone	224.80000	250.00000	4.61e-002	0.01	-10.08		LINR	
Benzene	1.3350000	1.3570000	1.3570000	0.01	1.65		AVRG	
1,2-Dichloroethane	0.5160000	0.4662800	0.4662800	0.01	-9.64		AVRG	
Trichloroethene	0.3450000	0.3373600	0.3373600	0.01	-2.21		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date: 02/10/04 Time: 0741

Lab File ID: S9914 Init. Calib. Date(s): 02/04/04 02/04/04

Init. Calib. Times: 1618 2026

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	
Dibromomethane	0.2190000	0.2004000	0.2004000	0.01	-8.49		AVRG	
1,2-Dichloropropane	0.3240000	0.3240400	0.3240400	0.01	0.01	20.00	AVRG	
Bromodichloromethane	0.4980000	0.4855300	0.4855300	0.01	-2.50		AVRG	
cis-1,3-dichloropropene	0.5650000	0.5952300	0.5952300	0.01	5.35		AVRG	
2-Chloroethylvinylether	39.105000	50.000000	0.1279300	0.01	-21.79		LINR	
Toluene	0.7810000	0.8416000	0.8416000	0.01	7.76	20.00	AVRG	
4-methyl-2-pentanone	0.2420000	0.2268700	0.2268700	0.01	-6.25		AVRG	
Tetrachloroethene	0.3760000	0.3258700	0.3258700	0.01	-13.33		AVRG	
trans-1,3-Dichloropropene	0.4990000	0.4822600	0.4822600	0.01	-3.35		AVRG	
1,1,2-Trichloroethane	0.2430000	0.2352700	0.2352700	0.01	-3.18		AVRG	
Dibromochloromethane	0.4200000	0.3900500	0.3900500	0.01	-7.13		AVRG	
1,3-Dichloropropane	0.6380000	0.5862500	0.5862500	0.01	-8.11		AVRG	
1,2-Dibromoethane	0.2870000	0.2688800	0.2688800	0.01	-6.31		AVRG	
2-Hexanone	0.2080000	0.1978000	0.1978000	0.01	-4.90		AVRG	
Chlorobenzene	1.0240000	0.9715200	0.9715200	0.3	-5.12		AVRG	
Ethylbenzene	1.7300000	1.7499000	1.7499000	0.01	1.15	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4130000	0.3890700	0.3890700	0.01	-5.79		AVRG	
Xylenes (total)	0.0000000	1.8114000	1.8114000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6040000	0.6091500	0.6091500	0.01	0.85		AVRG	
o-Xylene	48.873000	50.000000	0.5930800	0.01	-2.25		LINR	
Styrene	47.175000	50.000000	1.0062000	0.01	-5.65		LINR	
Bromoform	0.2740000	0.2403000	0.2403000	0.1	-12.30		AVRG	
Isopropylbenzene	48.079000	50.000000	2.3910000	0.01	-3.84		LINR	
Bromobenzene	0.8270000	0.8021700	0.8021700	0.01	-3.00		AVRG	
N-Propylbenzene	49.416000	50.000000	3.1390000	0.01	-1.17		LINR	
1,1,2,2-Tetrachloroethane	0.7290000	0.6076400	0.6076400	0.3	-16.65		AVRG	
1,3,5-Trimethylbenzene	48.646000	50.000000	2.0983000	0.01	-2.71		LINR	
2-Chlorotoluene	0.6530000	0.6554800	0.6554800	0.01	0.38		AVRG	
1,2,3-Trichloropropane	0.9120000	0.8049500	0.8049500	0.01	-11.74		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date: 02/10/04 Time: 0741

Lab File ID: S9914 Init. Calib. Date(s): 02/04/04 02/04/04

Init. Calib. Times: 1618 2026

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
4-Chlorotoluene	2.0280000	2.0633000	2.0633000	0.01	1.74		AVRG
tert-Butylbenzene	2.2200000	2.3116000	2.3116000	0.01	4.13		AVRG
1,2,4-Trimethylbenzene	48.155000	50.000000	2.2290000	0.01	-3.69		LINR
P-Isopropyltoluene	47.724000	50.000000	2.0022000	0.01	-4.55		LINR
1,3-Dichlorobenzene	1.4810000	1.4122000	1.4122000	0.01	-4.64		AVRG
1,4-Dichlorobenzene	1.5810000	1.4489000	1.4489000	0.01	-8.36		AVRG
N-Butylbenzene	48.075000	50.000000	1.8724000	0.01	-3.85		LINR
sec-Butylbenzene	47.402000	50.000000	2.3310000	0.01	-5.20		LINR
1,2-Dichlorobenzene	1.3880000	1.2954000	1.2954000	0.01	-6.67		AVRG
1,2-Dibromo-3-Chloropropane	0.2670000	0.2066900	0.2066900	0.01	-22.59		AVRG
1,3,5-Trichlorobenzene	0.6350000	0.5584100	0.5584100	0.01	-12.06		AVRG
Hexachlorobutadiene	0.3040000	0.2311700	0.2311700	0.01	-23.96		AVRG
1,2,4-Trichlorobenzene	0.6940000	0.5522300	0.5522300	0.01	-20.43		AVRG
1,2,3-Trimethylbenzene	49.452000	50.000000	1.5056000	0.01	-1.10		LINR
Naphthalene	0.9240000	0.6551200	0.6551200	0.01	-29.10		AVRG
1,2,3-Trichlorobenzene	0.4100000	0.2130200	0.2130200	0.01	-48.04		AVRG
Dibromofluoromethane	0.5510000	0.4412300	0.4412300	0.01	-19.92		AVRG
1,2-Dichloroethane-D4	0.6740000	0.4910100	0.4910100	0.01	-27.15		AVRG
Toluene-D8	1.1250000	1.0152000	1.0152000	0.01	-9.76		AVRG
P-Bromofluorobenzene	44.148000	50.000000	0.3950400	0.01	-11.70		LINR

FORM VII PEST

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: SB600 BFB Injection Date: 02/12/04

Instrument ID: GCMS-S BFB Injection Time: 0731

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	22.5
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	66.5
175	5.0 - 9.0% of mass 174	5.1 (7.6)1
176	95.0 - 101.0% of mass 174	65.3 (98.2)1
177	5.0 - 9.0% of mass 176	4.6 (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		VSTD050S12A	S9974	02/12/04	0758
02	WG6009-LCS	WG6009-1	S9975	02/12/04	0837
03	WG6009-BLANK	WG6009-2	S9977	02/12/04	0950
04	KWTB-020404	WU0318-1	S9981	02/12/04	1220
05	G01-MW-01A-0204	WU0318-2	S9984	02/12/04	1406
06	G01-MW-01-0204	WU0318-3	S9985	02/12/04	1441
07	G01-MW-03-0204	WU0318-4	S9986	02/12/04	1516
08	G01-MW-02-0204	WU0318-5	S9987	02/12/04	1551
09	G01-MW-04-0204	WU0318-6	S9988	02/12/04	1627
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date: 02/12/04 Time: 0758

Lab File ID: S9974 Init. Calib. Date(s): 02/04/04 02/04/04

Init. Calib. Times: 1618 2026

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	
Dichlorodifluoromethane	0.3360000	0.3670100	0.3670100	0.01	9.23		AVRG	
Chloromethane	0.4700000	0.5244600	0.5244600	0.1	11.59		AVRG	
Vinyl chloride	0.4610000	0.5234300	0.5234300	0.01	13.54	20.00	AVRG	
Bromomethane	32.195000	50.000000	0.1729200	0.01	-35.61		LINR	
Chloroethane	0.3240000	0.3581700	0.3581700	0.01	10.55		AVRG	
Trichlorofluoromethane	0.7090000	0.7920900	0.7920900	0.01	11.72		AVRG	
Diethyl Ether	0.3560000	0.3563700	0.3563700	0.01	0.10		AVRG	
1,1-Dichloroethene	0.4000000	0.4143100	0.4143100	0.01	3.58	20.00	AVRG	
Carbon Disulfide	1.5440000	1.7565000	1.7565000	0.01	13.76		AVRG	
Freon-113	0.3130000	0.3472700	0.3472700	0.01	10.95		AVRG	
Methylene Chloride	60.254000	50.000000	0.6296000	0.01	20.51		LINR	
Acetone	290.33000	250.00000	4.49e-002	0.01	16.13		LINR	
trans-1,2-Dichloroethene	0.4770000	0.4991600	0.4991600	0.01	4.64		AVRG	
Methyl tert-butyl ether	1.3740000	1.2347000	1.2347000	0.01	-10.14		AVRG	
1,1-Dichloroethane	0.9120000	0.9981700	0.9981700	0.3	9.45		AVRG	
Vinyl Acetate	0.6440000	0.6720000	0.6720000	0.01	4.35		AVRG	
cis-1,2-Dichloroethene	0.5080000	0.5638800	0.5638800	0.01	11.00		AVRG	
1,2-Dichloroethylene (total)	0.0000000	1.0630000	1.0630000	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.7320000	0.7559200	0.7559200	0.01	3.27		AVRG	
Bromochloromethane	0.2680000	0.2632200	0.2632200	0.01	-1.78		AVRG	
Chloroform	0.9790000	1.0214000	1.0214000	0.01	4.33	20.00	AVRG	
Carbon Tetrachloride	0.4170000	0.4506700	0.4506700	0.01	8.07		AVRG	
Tetrahydrofuran	8.6e-002	8.18e-002	8.18e-002	0.01	-4.88		AVRG	
1,1,1-Trichloroethane	0.7340000	0.8003500	0.8003500	0.01	9.04		AVRG	
1,1-Dichloropropene	54.817000	50.000000	0.5165300	0.01	9.63		LINR	
2-Butanone	232.64000	250.00000	4.77e-002	0.01	-6.94		LINR	
Benzene	1.3350000	1.4991000	1.4991000	0.01	12.29		AVRG	
1,2-Dichloroethane	0.5160000	0.5292700	0.5292700	0.01	2.57		AVRG	
Trichloroethene	0.3450000	0.3825400	0.3825400	0.01	10.88		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date: 02/12/04 Time: 0758

Lab File ID: S9974 Init. Calib. Date(s): 02/04/04 02/04/04

Init. Calib. Times: 1618 2026

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	
Dibromomethane	0.2190000	0.2107600	0.2107600	0.01	-3.76		AVRG	
1,2-Dichloropropane	0.3240000	0.3689900	0.3689900	0.01	13.89	20.00	AVRG	
Bromodichloromethane	0.4980000	0.5377200	0.5377200	0.01	7.98		AVRG	
cis-1,3-dichloropropene	0.5650000	0.6502900	0.6502900	0.01	15.10		AVRG	
2-Chloroethylvinylether	44.240000	50.000000	0.1458100	0.01	-11.52		LINR	
Toluene	0.7810000	0.9064700	0.9064700	0.01	16.06	20.00	AVRG	
4-methyl-2-pentanone	0.2420000	0.2333400	0.2333400	0.01	-3.58		AVRG	
Tetrachloroethene	0.3760000	0.3363200	0.3363200	0.01	-10.55		AVRG	
trans-1,3-Dichloropropene	0.4990000	0.5302800	0.5302800	0.01	6.27		AVRG	
1,1,2-Trichloroethane	0.2430000	0.2525400	0.2525400	0.01	3.92		AVRG	
Dibromochloromethane	0.4200000	0.3876900	0.3876900	0.01	-7.69		AVRG	
1,3-Dichloropropane	0.6380000	0.6206500	0.6206500	0.01	-2.72		AVRG	
1,2-Dibromoethane	0.2870000	0.2861900	0.2861900	0.01	-0.28		AVRG	
2-Hexanone	0.2080000	0.1983700	0.1983700	0.01	-4.63		AVRG	
Chlorobenzene	1.0240000	1.0490000	1.0490000	0.3	2.44		AVRG	
Ethylbenzene	1.7300000	1.8662000	1.8662000	0.01	7.87	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4130000	0.4107400	0.4107400	0.01	-0.55		AVRG	
Xylenes (total)	0.0000000	1.9377000	1.9377000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6040000	0.6510300	0.6510300	0.01	7.79		AVRG	
o-Xylene	52.392000	50.000000	0.6356000	0.01	4.78		LINR	
Styrene	51.664000	50.000000	1.1023000	0.01	3.33		LINR	
Bromoform	0.2740000	0.2305300	0.2305300	0.1	-15.86		AVRG	
Isopropylbenzene	51.937000	50.000000	2.5816000	0.01	3.87		LINR	
Bromobenzene	0.8270000	0.8404800	0.8404800	0.01	1.63		AVRG	
N-Propylbenzene	55.414000	50.000000	3.5099000	0.01	10.83		LINR	
1,1,2,2-Tetrachloroethane	0.7290000	0.6392600	0.6392600	0.3	-12.31		AVRG	
1,3,5-Trimethylbenzene	53.683000	50.000000	2.3119000	0.01	7.37		LINR	
2-Chlorotoluene	0.6530000	0.7163000	0.7163000	0.01	9.69		AVRG	
1,2,3-Trichloropropane	0.9120000	0.8333300	0.8333300	0.01	-8.63		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-S Calibration Date: 02/12/04 Time: 0758

Lab File ID: S9974 Init. Calib. Date(s): 02/04/04 02/04/04

Init. Calib. Times: 1618 2026

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
4-Chlorotoluene	2.0280000	2.2476000	2.2476000	0.01	10.83		AVRG
tert-Butylbenzene	2.2200000	2.5366000	2.5366000	0.01	14.26		AVRG
1,2,4-Trimethylbenzene	52.874000	50.000000	2.4456000	0.01	5.75		LINR
P-Isopropyltoluene	53.165000	50.000000	2.2282000	0.01	6.33		LINR
1,3-Dichlorobenzene	1.4810000	1.5340000	1.5340000	0.01	3.58		AVRG
1,4-Dichlorobenzene	1.5810000	1.5801000	1.5801000	0.01	-0.06		AVRG
N-Butylbenzene	54.002000	50.000000	2.1009000	0.01	8.00		LINR
sec-Butylbenzene	52.728000	50.000000	2.5895000	0.01	5.46		LINR
1,2-Dichlorobenzene	1.3880000	1.3548000	1.3548000	0.01	-2.39		AVRG
1,2-Dibromo-3-Chloropropane	0.2670000	0.2013500	0.2013500	0.01	-24.59		AVRG
1,3,5-Trichlorobenzene	0.6350000	0.5460200	0.5460200	0.01	-14.01		AVRG
Hexachlorobutadiene	0.3040000	0.2271400	0.2271400	0.01	-25.28		AVRG
1,2,4-Trichlorobenzene	0.6940000	0.3316500	0.3316500	0.01	-52.21		AVRG
1,2,3-Trimethylbenzene	56.010000	50.000000	1.7019000	0.01	12.02		LINR
Naphthalene	0.9240000	0.2123400	0.2123400	0.01	-77.02		AVRG
1,2,3-Trichlorobenzene	0.4100000	5.69e-002	5.69e-002	0.01	-86.12		AVRG
Dibromofluoromethane	0.5510000	0.4569400	0.4569400	0.01	-17.07		AVRG
1,2-Dichloroethane-D4	0.6740000	0.5311700	0.5311700	0.01	-21.19		AVRG
Toluene-D8	1.1250000	1.0397000	1.0397000	0.01	-7.58		AVRG
P-Bromofluorobenzene	46.129000	50.000000	0.4126700	0.01	-7.74		LINR

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: ZB699 BFB Injection Date: 01/05/04

Instrument ID: GCMS-Z BFB Injection Time: 0808

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	22.1
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.6 (7.8)1
176	95.0 - 101.0% of mass 174	71.1 (100.0)1
177	5.0 - 9.0% of mass 176	5.0 (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		VSTD020Z05A	Z9679	01/05/04	1122
02		VSTD005Z05A	Z9680	01/05/04	1200
03		VSTD001Z05B	Z9682	01/05/04	1314
04		VSTD200Z05A	Z9683	01/05/04	1351
05		VSTD100Z05A	Z9684	01/05/04	1428
06		VSTD050Z05E	Z9685	01/05/04	1505
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FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date(s): 01/05/04 01/05/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1122 1505

LAB FILE ID: RF1: Z9682 RF5: Z9680 RF20: Z9679
RF50: Z9685 RF100: Z9684 RF200: Z9683

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.295	0.426	0.415	0.420	0.438	0.472	AVRG		0.41129331	14.686	15.000
Chloromethane	0.603	0.645	0.638	0.604	0.618	0.652	AVRG		0.62681453	3.416	15.000
Vinyl chloride	0.421	0.472	0.442	0.470	0.483	0.484	AVRG		0.46204930	5.438	15.000
Bromomethane	2514	8498	33464	82021	167980	333640	LINR	5.771e-003	3.53949716	0.99988	0.99000
Chloroethane	0.281	0.255	0.246	0.224	0.218	0.233	AVRG		0.24296257	9.463	15.000
Trichlorofluoromethane	0.535	0.581	0.607	0.608	0.631	0.701	AVRG		0.61070241	9.050	15.000
Diethyl Ether	0.302	0.292	0.309	0.286	0.309	0.322	AVRG		0.30333444	4.228	15.000
1,1-Dichloroethene	0.282	0.287	0.279	0.268	0.283	0.299	AVRG		0.28297695	3.538	15.000
Carbon Disulfide	1.060	0.989	1.034	0.997	1.027	1.068	AVRG		1.02923385	3.118	15.000
Freon-113	0.311	0.239	0.257	0.252	0.266	0.285	AVRG		0.26824670	9.676	15.000
Methylene Chloride	4398	11892	42398	103380	220980	444260	LINR	1.617e-002	2.66096172	0.99940	0.99000
Acetone	1772	6047	22879	52871	106490	218310	LINR	3.351e-002	27.1946399	0.99931	0.99000
trans-1,2-Dichloroethene	0.378	0.333	0.350	0.337	0.346	0.362	AVRG		0.35105508	4.854	15.000
Methyl tert-butyl ether	0.791	0.775	0.789	0.772	0.798	0.796	AVRG		0.78691066	1.382	15.000
1,1-Dichloroethane	0.771	1.004	1.015	1.006	1.006	1.048	AVRG		0.97497430	10.387	15.000
Vinyl Acetate	0.545	0.581	0.663	0.632	0.644	0.681	AVRG		0.62422061	8.268	15.000
cis-1,2-Dichloroethene	0.533	0.529	0.542	0.539	0.557	0.572	AVRG		0.54528644	3.008	15.000
1,2-Dichloroethylene (tot							AVRG				0.000
2,2-Dichloropropane	0.786	0.787	0.770	0.734	0.764	0.803	AVRG		0.77378279	3.121	15.000
Bromochloromethane	0.284	0.279	0.279	0.280	0.281	0.285	AVRG		0.28123753	0.932	15.000
Chloroform	8379	30233	113790	274240	556340	1135500	LINR	1.157e-002	1.04361847	0.99945	0.99000
Carbon Tetrachloride	0.330	0.364	0.370	0.384	0.376	0.396	AVRG		0.37005812	6.124	15.000
Tetrahydrofuran	0.114	0.143	0.145	0.155	0.142	0.141	AVRG		0.13985057	9.836	15.000
1,1,1-Trichloroethane	0.646	0.772	0.761	0.769	0.761	0.780	AVRG		0.74830880	6.793	15.000
1,1-Dichloropropene	0.355	0.397	0.409	0.413	0.411	0.412	AVRG		0.39967315	5.659	15.000
2-Butanone	0.052	0.065	0.064	0.066	0.062	0.061	AVRG		6.166e-002	8.061	15.000
Benzene	1.148	1.197	1.204	1.198	1.175	1.158	AVRG		1.18016222	1.960	15.000
1,2-Dichloroethane	0.450	0.481	0.479	0.480	0.463	0.476	AVRG		0.47142648	2.590	15.000
Trichloroethene	0.281	0.326	0.311	0.307	0.297	0.282	AVRG		0.30054331	5.766	15.000
Dibromomethane	0.207	0.211	0.205	0.200	0.202	0.196	AVRG		0.20345019	2.575	15.000
1,2-Dichloropropane	0.335	0.324	0.328	0.323	0.324	0.316	AVRG		0.32512241	1.910	15.000
Bromodichloromethane	0.473	0.416	0.436	0.428	0.434	0.440	AVRG		0.43801739	4.407	15.000
cis-1,3-dichloropropene	0.484	0.488	0.514	0.524	0.529	0.519	AVRG		0.50945293	3.779	15.000
2-Chloroethylvinylether	0.142	0.144	0.166	0.180	0.183	0.183	AVRG		0.16649891	11.398	15.000
Toluene	0.697	0.704	0.720	0.705	0.668	0.662	AVRG		0.69273956	3.305	15.000
4-methyl-2-pentanone	0.302	0.319	0.318	0.326	0.268	0.248	AVRG		0.29682906	10.705	15.000
Tetrachloroethene	0.250	0.257	0.244	0.264	0.249	0.240	AVRG		0.25081429	3.480	15.000
trans-1,3-Dichloropropene	0.477	0.429	0.459	0.464	0.445	0.454	AVRG		0.45459281	3.598	15.000
1,1,2-Trichloroethane	0.261	0.237	0.227	0.221	0.208	0.198	AVRG		0.22543977	9.919	15.000
Dibromochloromethane	0.443	0.374	0.384	0.399	0.402	0.413	AVRG		0.40261237	6.023	15.000
1,3-Dichloropropane	0.660	0.602	0.586	0.594	0.577	0.592	AVRG		0.60179987	4.930	15.000
1,2-Dibromoethane	0.312	0.293	0.293	0.305	0.282	0.290	AVRG		0.29565828	3.688	15.000
2-Hexanone	0.247	0.292	0.278	0.288	0.257	0.252	AVRG		0.26894314	7.247	15.000
Chlorobenzene	1.175	0.968	0.936	0.923	0.888	0.852	AVRG		0.95709168	11.907	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date(s): 01/05/04 01/05/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1122 1505

LAB FILE ID: RF1: Z9682 RF5: Z9680 RF20: Z9679
RF50: Z9685 RF100: Z9684 RF200: Z9683

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Ethylbenzene	1.929	1.498	1.533	1.535	1.468	1.402	AVRG		1.56090530	11.986	15.000
1,1,1,2-Tetrachloroethane	0.417	0.357	0.342	0.349	0.340	0.351	AVRG		0.35941880	8.093	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.604	0.601	0.585	0.560	0.530	0.474	AVRG		0.55904058	8.957	15.000
o-Xylene	0.569	0.565	0.567	0.553	0.538	0.530	AVRG		0.55374222	2.983	15.000
Styrene	19525	49682	173960	409360	815060	1497600	LINR	-3.65e-002	1.06907249	0.99946	0.99000
Bromoform	0.254	0.238	0.234	0.245	0.240	0.251	AVRG		0.24392775	3.148	15.000
Isopropylbenzene	2.908	3.020	2.793	2.915	2.965	2.954	AVRG		2.92560321	2.615	15.000
Bromobenzene	0.917	0.836	0.800	0.792	0.819	0.807	AVRG		0.82863754	5.563	15.000
N-Propylbenzene	3.616	3.600	3.344	3.261	3.221	3.071	AVRG		3.35217255	6.480	15.000
1,1,2,2-Tetrachloroethane	1.116	0.972	0.851	0.889	0.885	0.922	AVRG		0.93917950	10.179	15.000
1,3,5-Trimethylbenzene	2.677	2.610	2.447	2.418	2.400	2.290	AVRG		2.47369611	5.798	15.000
2-Chlorotoluene	2.835	2.637	2.409	2.388	2.317	2.274	AVRG		2.47661056	8.718	15.000
1,2,3-Trichloropropane	1.422	1.226	1.112	1.123	1.160	1.223	AVRG		1.21079693	9.421	15.000
4-Chlorotoluene	2.644	2.425	2.318	2.289	2.345	2.363	AVRG		2.39745260	5.390	15.000
tert-Butylbenzene	1.957	2.012	1.880	2.159	2.101	1.960	AVRG		2.01129270	5.114	15.000
1,2,4-Trimethylbenzene	3.047	2.712	2.706	2.591	2.673	2.579	AVRG		2.71798391	6.293	15.000
P-Isopropyltoluene	2.498	2.384	2.282	2.355	2.490	2.419	AVRG		2.40460113	3.438	15.000
1,3-Dichlorobenzene	1.746	1.459	1.377	1.411	1.433	1.456	AVRG		1.48019824	9.033	15.000
1,4-Dichlorobenzene	7390	28777	112020	251300	486850	876060	LINR	-2.21e-002	0.77622218	0.99981	0.99000
N-Butylbenzene	2.193	2.213	2.089	2.080	2.195	2.119	AVRG		2.14814508	2.740	15.000
sec-Butylbenzene	3.028	2.874	2.854	2.773	2.896	2.881	AVRG		2.88428814	2.866	15.000
1,2-Dichlorobenzene	1.728	1.442	1.309	1.300	1.375	1.387	AVRG		1.42367445	11.118	15.000
1,2-Dibromo-3-Chloropropa	0.375	0.361	0.318	0.314	0.321	0.325	AVRG		0.33574619	7.622	15.000
1,3,5-Trichlorobenzene	4882	19582	71195	161490	343060	611020	LINR	-3.67e-002	1.90957041	0.99805	0.99000
Hexachlorobutadiene	1909	8557	26179	59842	125410	205380	LINR	-4.13e-002	3.26177568	0.99651	0.99000
1,2,4-Trichlorobenzene	0.921	0.889	0.782	0.790	0.807	0.802	AVRG		0.83197503	7.015	15.000
1,2,3-Trimethylbenzene	15281	57611	224690	473220	954820	1635300	LINR	-7.39e-002	0.71141890	0.99522	0.99000
Naphthalene	2.001	2.242	2.024	1.994	1.975	1.916	AVRG		2.02536359	5.550	15.000
1,2,3-Trichlorobenzene	0.697	0.760	0.673	0.671	0.670	0.634	AVRG		0.68425353	6.155	15.000
Dibromofluoromethane	0.616	0.698	0.594	0.586	0.567	0.574	AVRG		0.60586341	7.949	15.000
1,2-Dichloroethane-D4	0.768	0.796	0.666	0.687	0.655	0.675	AVRG		0.70787033	8.360	15.000
Toluene-D8	1.091	1.206	1.005	1.026	0.957	0.932	AVRG		1.03618546	9.665	15.000
P-Bromofluorobenzene	5957	28265	93270	211730	418040	765350	LINR	-5.9e-002	2.63701653	0.99807	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date(s): 01/05/04 01/05/04

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1122 1505

Average %RSD test result.

Calculate Average %RSD: 7.094117641
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: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: ZB725 BFB Injection Date: 02/11/04

Instrument ID: GCMS-Z BFB Injection Time: 0813

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	22.7
75	30.0 - 60.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	63.7
175	5.0 - 9.0% of mass 174	5.0 (7.9)1
176	95.0 - 101.0% of mass 174	62.0 (97.3)1
177	5.0 - 9.0% of mass 176	3.4 (5.5)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	Z0073	02/11/04	0836
02	WG5981-LCS	WG5981-1	Z0074	02/11/04	0914
03	WG5981-BLANK	WG5981-2	Z0076	02/11/04	1028
04	KWTB-020604	WU0346-11	Z0077	02/11/04	1107
05	G01-MW-06-0204	WU0344-1	Z0080	02/11/04	1258
06	G01-MW-10-0204	WU0346-7	Z0081	02/11/04	1335
07	G01-MW-09-0204	WU0346-8	Z0082	02/11/04	1412
08	G01-MW-12-0204	WU0346-9	Z0083	02/11/04	1449
09	G01-MW-08-0204	WU0346-10	Z0084	02/11/04	1526
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FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date: 02/11/04 Time: 0836

Lab File ID: Z0073 Init. Calib. Date(s): 01/05/04 01/05/04

Init. Calib. Times: 1122 1505

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	
Dichlorodifluoromethane	0.4110000	0.3749800	0.3749800	0.01	-8.76		AVRG	
Chloromethane	0.6270000	0.7161200	0.7161200	0.1	14.21		AVRG	
Vinyl chloride	0.4620000	0.5106900	0.5106900	0.01	10.54	20.00	AVRG	
Bromomethane	49.333000	50.000000	0.2771300	0.01	-1.33		LINR	
Chloroethane	0.2430000	0.2651900	0.2651900	0.01	9.13		AVRG	
Trichlorofluoromethane	0.6100000	0.7169800	0.7169800	0.01	17.54		AVRG	
Diethyl Ether	0.3030000	0.3304500	0.3304500	0.01	9.06		AVRG	
1,1-Dichloroethene	0.2830000	0.3344300	0.3344300	0.1	18.17	20.00	AVRG	
Carbon Disulfide	1.0290000	1.2252000	1.2252000	0.01	19.07		AVRG	
Freon-113	0.2680000	0.2528000	0.2528000	0.01	-5.67		AVRG	
Methylene Chloride	59.374000	50.000000	0.4401800	0.01	18.75		LINR	
Acetone	214.48000	250.00000	3.13e-002	0.01	-14.21		LINR	
trans-1,2-Dichloroethene	0.3510000	0.3976600	0.3976600	0.01	13.29		AVRG	
Methyl tert-butyl ether	0.7870000	1.1317000	1.1317000	0.01	43.80		AVRG	
1,1-Dichloroethane	0.9750000	1.1714000	1.1714000	0.3	20.14		AVRG	
Vinyl Acetate	0.6240000	0.8212200	0.8212200	0.01	31.61		AVRG	
cis-1,2-Dichloroethene	0.5450000	0.5742800	0.5742800	0.01	5.37		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.9719400	0.9719400	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.7740000	0.7927900	0.7927900	0.01	2.43		AVRG	
Bromochloromethane	0.2810000	0.2850100	0.2850100	0.01	1.43		AVRG	
Chloroform	55.177000	50.000000	1.0463000	0.01	10.35	20.00	LINR	
Carbon Tetrachloride	0.3700000	0.3569600	0.3569600	0.01	-3.52		AVRG	
Tetrahydrofuran	0.1400000	0.1600800	0.1600800	0.01	14.34		AVRG	
1,1,1-Trichloroethane	0.7480000	0.8340800	0.8340800	0.01	11.51		AVRG	
1,1-Dichloropropene	0.4000000	0.4162700	0.4162700	0.01	4.07		AVRG	
2-Butanone	6.2e-002	6.2e-002	6.2e-002	0.01	0.00		AVRG	
Benzene	1.1800000	1.2692000	1.2692000	0.01	7.56		AVRG	
1,2-Dichloroethane	0.4720000	0.4665300	0.4665300	0.01	-1.16		AVRG	
Trichloroethene	0.3010000	0.3172700	0.3172700	0.01	5.40		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date: 02/11/04 Time: 0836

Lab File ID: Z0073 Init. Calib. Date(s): 01/05/04 01/05/04

Init. Calib. Times: 1122 1505

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	
Dibromomethane	0.2040000	0.2018200	0.2018200	0.01	-1.07		AVRG	
1,2-Dichloropropane	0.3250000	0.3458300	0.3458300	0.01	6.41	20.00	AVRG	
Bromodichloromethane	0.4380000	0.4403000	0.4403000	0.01	0.52		AVRG	
cis-1,3-dichloropropene	0.5100000	0.5358900	0.5358900	0.01	5.08		AVRG	
2-Chloroethylvinylether	0.1660000	0.1680600	0.1680600	0.01	1.24		AVRG	
Toluene	0.6930000	0.7188100	0.7188100	0.01	3.72	20.00	AVRG	
4-methyl-2-pentanone	0.2970000	0.3162200	0.3162200	0.01	6.47		AVRG	
Tetrachloroethene	0.2510000	0.2360300	0.2360300	0.01	-5.96		AVRG	
trans-1,3-Dichloropropene	0.4550000	0.4442100	0.4442100	0.01	-2.37		AVRG	
1,1,2-Trichloroethane	0.2250000	0.2379400	0.2379400	0.01	5.75		AVRG	
Dibromochloromethane	0.4020000	0.3676200	0.3676200	0.01	-8.55		AVRG	
1,3-Dichloropropane	0.6020000	0.6052800	0.6052800	0.01	0.54		AVRG	
1,2-Dibromoethane	0.2960000	0.2684700	0.2684700	0.01	-9.30		AVRG	
2-Hexanone	0.2690000	0.2649100	0.2649100	0.01	-1.52		AVRG	
Chlorobenzene	0.9570000	0.9286500	0.9286500	0.3	-2.96		AVRG	
Ethylbenzene	1.5610000	1.6322000	1.6322000	0.01	4.56	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.3590000	0.3376700	0.3376700	0.01	-5.94		AVRG	
Xylenes (total)	0.0000000	0.5635400	0.5635400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5590000	0.5797400	0.5797400	0.01	3.71		AVRG	
o-Xylene	0.5540000	0.5311500	0.5311500	0.01	-4.12		AVRG	
Styrene	50.694000	50.000000	0.9824900	0.01	1.39		LINR	
Bromoform	0.2440000	0.2126900	0.2126900	0.1	-12.83		AVRG	
Isopropylbenzene	2.9260000	2.8538000	2.8538000	0.01	-2.47		AVRG	
Bromobenzene	0.8280000	0.7730900	0.7730900	0.01	-6.63		AVRG	
N-Propylbenzene	3.3520000	3.5741000	3.5741000	0.01	6.62		AVRG	
1,1,2,2-Tetrachloroethane	0.9390000	0.8623600	0.8623600	0.3	-8.16		AVRG	
1,3,5-Trimethylbenzene	2.4740000	2.4210000	2.4210000	0.01	-2.14		AVRG	
2-Chlorotoluene	2.4770000	2.5390000	2.5390000	0.01	2.50		AVRG	
1,2,3-Trichloropropane	1.2110000	1.0337000	1.0337000	0.01	-14.64		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date: 02/11/04 Time: 0836

Lab File ID: Z0073 Init. Calib. Date(s): 01/05/04 01/05/04

Init. Calib. Times: 1122 1505

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
4-Chlorotoluene	2.3970000	2.2993000	2.2993000	0.01	-4.08		AVRG
tert-Butylbenzene	2.0120000	1.9687000	1.9687000	0.01	-2.15		AVRG
1,2,4-Trimethylbenzene	2.7180000	2.6479000	2.6479000	0.01	-2.58		AVRG
P-Isopropyltoluene	2.4050000	2.2382000	2.2382000	0.01	-6.94		AVRG
1,3-Dichlorobenzene	1.4800000	1.3067000	1.3067000	0.01	-11.71		AVRG
1,4-Dichlorobenzene	50.920000	50.000000	1.3404000	0.01	1.84		LINR
N-Butylbenzene	2.1480000	2.1931000	2.1931000	0.01	2.10		AVRG
sec-Butylbenzene	2.8840000	2.7915000	2.7915000	0.01	-3.21		AVRG
1,2-Dichlorobenzene	1.4240000	1.2415000	1.2415000	0.01	-12.82		AVRG
1,2-Dibromo-3-Chloropropane	0.3360000	0.2985400	0.2985400	0.01	-11.15		AVRG
1,3,5-Trichlorobenzene	46.029000	50.000000	0.5013000	0.01	-7.94		LINR
Hexachlorobutadiene	35.542000	50.000000	0.2305900	0.01	-28.92		LINR
1,2,4-Trichlorobenzene	0.8320000	0.7119900	0.7119900	0.01	-14.42		AVRG
1,2,3-Trimethylbenzene	56.697000	50.000000	1.6977000	0.01	13.39		LINR
Naphthalene	2.0250000	1.7460000	1.7460000	0.01	-13.78		AVRG
1,2,3-Trichlorobenzene	0.6840000	0.6319100	0.6319100	0.01	-7.62		AVRG
Dibromofluoromethane	0.6060000	0.5740800	0.5740800	0.01	-5.27		AVRG
1,2-Dichloroethane-D4	0.7080000	0.6503400	0.6503400	0.01	-8.14		AVRG
Toluene-D8	1.0360000	0.9206700	0.9206700	0.01	-11.13		AVRG
P-Bromofluorobenzene	46.459000	50.000000	0.3747300	0.01	-7.08		LINR

FORM VII PEST

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: ZB727 BFB Injection Date: 02/13/04

Instrument ID: GCMS-Z BFB Injection Time: 0803

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	29.3
75	30.0 - 60.0% of mass 95	48.9
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	52.8
175	5.0 - 9.0% of mass 174	3.5 (6.6)1
176	95.0 - 101.0% of mass 174	51.9 (98.4)1
177	5.0 - 9.0% of mass 176	3.3 (6.3)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		VSTD050Z13A	Z0114	02/13/04	0827
02	WG6035-LCS	WG6035-1	Z0115	02/13/04	0904
03	WG6035-BLANK	WG6035-2	Z0117	02/13/04	1021
04	G01-MW-11-0204	WU0347-1	Z0124	02/13/04	1440
05	KW-DUP-02-0204	WU0347-2	Z0125	02/13/04	1517
06	G01-MW-07-0204	WU0347-3	Z0126	02/13/04	1554
07					
08					
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22					

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date: 02/13/04 Time: 0827

Lab File ID: Z0114 Init. Calib. Date(s): 01/05/04 01/05/04

Init. Calib. Times: 1122 1505

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	
Dichlorodifluoromethane	0.4110000	0.3473000	0.3473000	0.01	-15.50		AVRG	
Chloromethane	0.6270000	0.6492500	0.6492500	0.1	3.55		AVRG	
Vinyl chloride	0.4620000	0.4674500	0.4674500	0.01	1.18	20.00	AVRG	
Bromomethane	37.557000	50.000000	0.2105800	0.01	-24.89		LINR	
Chloroethane	0.2430000	0.2494500	0.2494500	0.01	2.65		AVRG	
Trichlorofluoromethane	0.6100000	0.6835300	0.6835300	0.01	12.05		AVRG	
Diethyl Ether	0.3030000	0.3180100	0.3180100	0.01	4.95		AVRG	
1,1-Dichloroethene	0.2830000	0.3174200	0.3174200	0.1	12.16	20.00	AVRG	
Carbon Disulfide	1.0290000	1.2101000	1.2101000	0.01	17.60		AVRG	
Freon-113	0.2680000	0.2230000	0.2230000	0.01	-16.79		AVRG	
Methylene Chloride	58.496000	50.000000	0.4335800	0.01	16.99		LINR	
Acetone	331.81000	250.00000	4.86e-002	0.01	32.72		LINR	
trans-1,2-Dichloroethene	0.3510000	0.4011500	0.4011500	0.01	14.29		AVRG	
Methyl tert-butyl ether	0.7870000	1.1566000	1.1566000	0.01	46.96		AVRG	
1,1-Dichloroethane	0.9750000	1.1564000	1.1564000	0.3	18.60		AVRG	
Vinyl Acetate	0.6240000	0.8705900	0.8705900	0.01	39.52		AVRG	
cis-1,2-Dichloroethene	0.5450000	0.5937400	0.5937400	0.01	8.94		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.9949000	0.9949000	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.7740000	0.7932700	0.7932700	0.01	2.49		AVRG	
Bromochloromethane	0.2810000	0.2831700	0.2831700	0.01	0.77		AVRG	
Chloroform	56.084000	50.000000	1.0637000	0.01	12.17	20.00	LINR	
Carbon Tetrachloride	0.3700000	0.3651800	0.3651800	0.01	-1.30		AVRG	
Tetrahydrofuran	0.1400000	0.1751200	0.1751200	0.01	25.09		AVRG	
1,1,1-Trichloroethane	0.7480000	0.8274000	0.8274000	0.01	10.62		AVRG	
1,1-Dichloropropene	0.4000000	0.4204400	0.4204400	0.01	5.11		AVRG	
2-Butanone	6.2e-002	7.36e-002	7.36e-002	0.01	18.71		AVRG	
Benzene	1.1800000	1.2831000	1.2831000	0.01	8.74		AVRG	
1,2-Dichloroethane	0.4720000	0.4767400	0.4767400	0.01	1.00		AVRG	
Trichloroethene	0.3010000	0.3172700	0.3172700	0.01	5.40		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date: 02/13/04 Time: 0827

Lab File ID: Z0114 Init. Calib. Date(s): 01/05/04 01/05/04

Init. Calib. Times: 1122 1505

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	
Dibromomethane	0.2040000	0.2123400	0.2123400	0.01	4.09		AVRG	
1,2-Dichloropropane	0.3250000	0.3543300	0.3543300	0.01	9.02	20.00	AVRG	
Bromodichloromethane	0.4380000	0.4471500	0.4471500	0.01	2.09		AVRG	
cis-1,3-dichloropropene	0.5100000	0.5508200	0.5508200	0.01	8.00		AVRG	
2-Chloroethylvinylether	0.1660000	0.1761600	0.1761600	0.01	6.12		AVRG	
Toluene	0.6930000	0.7300800	0.7300800	0.01	5.35	20.00	AVRG	
4-methyl-2-pentanone	0.2970000	0.3345200	0.3345200	0.01	12.63		AVRG	
Tetrachloroethene	0.2510000	0.2277200	0.2277200	0.01	-9.27		AVRG	
trans-1,3-Dichloropropene	0.4550000	0.4656700	0.4656700	0.01	2.34		AVRG	
1,1,2-Trichloroethane	0.2250000	0.2429200	0.2429200	0.01	7.96		AVRG	
Dibromochloromethane	0.4020000	0.3686100	0.3686100	0.01	-8.31		AVRG	
1,3-Dichloropropane	0.6020000	0.6170900	0.6170900	0.01	2.51		AVRG	
1,2-Dibromoethane	0.2960000	0.2789500	0.2789500	0.01	-5.76		AVRG	
2-Hexanone	0.2690000	0.3176800	0.3176800	0.01	18.10		AVRG	
Chlorobenzene	0.9570000	0.9166400	0.9166400	0.3	-4.22		AVRG	
Ethylbenzene	1.5610000	1.5874000	1.5874000	0.01	1.69	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.3590000	0.3276600	0.3276600	0.01	-8.73		AVRG	
Xylenes (total)	0.0000000	0.5614700	0.5614700	0.01	0.00		AVRG	<-
m+p-Xylenes	0.5590000	0.5663100	0.5663100	0.01	1.31		AVRG	
o-Xylene	0.5540000	0.5517800	0.5517800	0.01	-0.40		AVRG	
Styrene	51.812000	50.000000	1.0034000	0.01	3.62		LINR	
Bromoform	0.2440000	0.2238600	0.2238600	0.1	-8.25		AVRG	
Isopropylbenzene	2.9260000	2.8378000	2.8378000	0.01	-3.01		AVRG	
Bromobenzene	0.8280000	0.7882800	0.7882800	0.01	-4.80		AVRG	
N-Propylbenzene	3.3520000	3.5914000	3.5914000	0.01	7.14		AVRG	
1,1,2,2-Tetrachloroethane	0.9390000	0.9492200	0.9492200	0.3	1.09		AVRG	
1,3,5-Trimethylbenzene	2.4740000	2.5102000	2.5102000	0.01	1.46		AVRG	
2-Chlorotoluene	2.4770000	2.5745000	2.5745000	0.01	3.94		AVRG	
1,2,3-Trichloropropane	1.2110000	1.1444000	1.1444000	0.01	-5.50		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-Z Calibration Date: 02/13/04 Time: 0827

Lab File ID: Z0114 Init. Calib. Date(s): 01/05/04 01/05/04

Init. Calib. Times: 1122 1505

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
4-Chlorotoluene	2.3970000	2.4758000	2.4758000	0.01	3.29		AVRG
tert-Butylbenzene	2.0120000	2.0012000	2.0012000	0.01	-0.54		AVRG
1,2,4-Trimethylbenzene	2.7180000	2.7275000	2.7275000	0.01	0.35		AVRG
P-Isopropyltoluene	2.4050000	2.3380000	2.3380000	0.01	-2.78		AVRG
1,3-Dichlorobenzene	1.4800000	1.3332000	1.3332000	0.01	-9.92		AVRG
1,4-Dichlorobenzene	51.676000	50.000000	1.3599000	0.01	3.35		LINR
N-Butylbenzene	2.1480000	2.2424000	2.2424000	0.01	4.39		AVRG
sec-Butylbenzene	2.8840000	2.8227000	2.8227000	0.01	-2.12		AVRG
1,2-Dichlorobenzene	1.4240000	1.2570000	1.2570000	0.01	-11.73		AVRG
1,2-Dibromo-3-Chloropropane	0.3360000	0.3059900	0.3059900	0.01	-8.93		AVRG
1,3,5-Trichlorobenzene	44.243000	50.000000	0.4825900	0.01	-11.51		LINR
Hexachlorobutadiene	37.604000	50.000000	0.2432300	0.01	-24.79		LINR
1,2,4-Trichlorobenzene	0.8320000	0.7546200	0.7546200	0.01	-9.30		AVRG
1,2,3-Trimethylbenzene	52.308000	50.000000	1.5743000	0.01	4.62		LINR
Naphthalene	2.0250000	2.0018000	2.0018000	0.01	-1.14		AVRG
1,2,3-Trichlorobenzene	0.6840000	0.6588300	0.6588300	0.01	-3.68		AVRG
Dibromofluoromethane	0.6060000	0.5854200	0.5854200	0.01	-3.40		AVRG
1,2-Dichloroethane-D4	0.7080000	0.6741300	0.6741300	0.01	-4.78		AVRG
Toluene-D8	1.0360000	0.9602600	0.9602600	0.01	-7.31		AVRG
P-Bromofluorobenzene	48.087000	50.000000	0.3870700	0.01	-3.83		LINR

FORM VII PEST

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG5962-LCS	WG5962-1	81	74	89	85	0
02	WG5962-BLANK	WG5962-2	79	76	87	84	0
03	TB-020504	WU0334-3	84	82	89	84	0
04	G01-MW-05-0204	WU0334-2	87	82	89	84	0
05	WG5981-LCS	WG5981-1	96	94	90	92	0
06	WG5981-BLANK	WG5981-2	105	108	94	92	0
07	KWTB-020604	WU0346-11	106	105	89	83	0
08	G01-MW-06-0204	WU0344-1	105	109	91	96	0
09	G01-MW-10-0204	WU0346-7	99	103	90	95	0
10	G01-MW-09-0204	WU0346-8	99	101	89	94	0
11	G01-MW-12-0204	WU0346-9	97	98	89	94	0
12	G01-MW-08-0204	WU0346-10	97	98	92	98	0
13	WG6009-LCS	WG6009-1	83	78	88	85	0
14	WG6009-BLANK	WG6009-2	91	89	89	83	0
15	KWTB-020404	WU0318-1	94	94	92	84	0
16	G01-MW-01A-0204	WU0318-2	98	101	89	82	0
17	G01-MW-01-0204	WU0318-3	100	103	89	83	0
18	G01-MW-03-0204	WU0318-4	94	92	89	81	0
19	G01-MW-02-0204	WU0318-5	94	97	89	83	0
20	G01-MW-04-0204	WU0318-6	97	101	89	85	0
21	WG6035-LCS	WG6035-1	94	93	91	93	0
22	WG6035-BLANK	WG6035-2	102	104	90	89	0
23	G01-MW-11-0204	WU0347-1	102	108	89	95	0
24	KW-DUP-02-0204	WU0347-2	102	104	93	93	0
25	G01-MW-07-0204	WU0347-3	100	103	88	91	0
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(75-129)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(65-135)
SMC3 (TOL)	= Toluene-D8	(82-120)
SMC4 (BFB)	= P-Bromofluorobenzene	(69-125)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER

Lab ID: WG5981-1
Client ID: WG5981-LCS
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS	
Dichlorodifluoromethane	50	NA	62	124	4-217	
Chloromethane	50	NA	63	126	40-163	
Vinyl chloride	50	NA	53	107	55-151	
Bromomethane	50	NA	48	96	24-217	
Chloroethane	50	NA	50	100	69-134	
Trichlorofluoromethane	50	NA	54	109	71-147	
Diethyl Ether	50	NA	54	107	67-135	
Tertiary-butyl alcohol	250	NA	416	* 166	58-146	NTC
1,1-Dichloroethene	50	NA	57	113	78-136	
Carbon Disulfide	50	NA	61	122	70-136	
Freon-113	50	NA	45	90	60-140	
Iodomethane	50	NA	52	104	60-140	
Acrolein	250	NA	252	101	0-199	
Methylene Chloride	50	NA	59	* 117	52-115	
Acetone	50	NA	72	144	0-158	
Isobutyl Alcohol	1000	NA	1010	101	60-140	
trans-1,2-Dichloroethene	50	NA	55	111	84-131	
Allyl Chloride	50	NA	56	112	60-140	
Methyl tert-butyl ether	100	NA	152	* 152	62-130	
Acetonitrile	500	NA	518	104	53-141	
Di-isopropyl ether	50	NA	102	* 204	82-130	NTC
Chloroprene	50	NA	50	101	60-140	
Methacrylonitrile	500	NA	596	119	60-140	
Propionitrile	500	NA	567	113	60-140	
1,1-Dichloroethane	50	NA	57	114	81-134	
Acrylonitrile	250	NA	251	100	29-172	
Ethyl tertiary-butyl ether	50	NA	83	* 167	85-124	NTC
Vinyl Acetate	50	NA	54	107	68-174	
cis-1,2-Dichloroethene	50	NA	48	96	84-123	
1,2-Dichloroethylene (total)	100	NA	104	104	84-131	
Methyl Methacrylate	50	NA	48	97	60-140	
2,2-Dichloropropane	50	NA	48	95	69-150	
Bromochloromethane	50	NA	46	91	77-146	
Chloroform	50	NA	51	103	80-130	
Carbon Tetrachloride	50	NA	45	89	74-137	
Tetrahydrofuran	50	NA	50	101	32-140	
1,1,1-Trichloroethane	50	NA	51	101	76-138	
1,1-Dichloropropene	50	NA	48	95	82-120	
2-Butanone	50	NA	76	152	49-154	
Benzene	50	NA	49	98	88-120	
Cyclohexane		NA			60-140	
Ethyl Methacrylate	50	NA	48	95	60-140	
Tertiary-amyl methyl ether	50	NA	57	114	85-125	
1,2-Dichloroethane	50	NA	47	95	78-138	
Trichloroethene	50	NA	47	94	80-125	

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/11/04
Report Date: 03/02/2004
Matrix: WATER

Lab ID: WG5981-1
Client ID: WG5981-LCS
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG5981
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	48	95	88-130
1,2-Dichloropropane	50	NA	49	99	80-122
Bromodichloromethane	50	NA	44	88	83-133
cis-1,3-dichloropropene	50	NA	48	95	81-138
1,4-Dioxane	1000	NA	864	86	60-140
2-Chloroethylvinylether	50	NA	21	* 43	50-211
Toluene	50	NA	48	97	88-121
4-methyl-2-pentanone	50	NA	51	102	72-140
Tetrachloroethene	50	NA	43	86	77-129
trans-1,3-Dichloropropene	50	NA	46	93	81-149
1,1,2-Trichloroethane	50	NA	48	97	82-126
Dibromochloromethane	50	NA	43	86	80-133
1,3-Dichloropropane	50	NA	47	94	86-125
1,2-Dibromoethane	50	NA	45	89	88-127
2-Hexanone	50	NA	54	108	45-146
Chlorobenzene	50	NA	46	92	84-123
Ethylbenzene	50	NA	47	94	84-134
1,1,1,2-Tetrachloroethane	50	NA	43	86	83-130
Xylenes (total)	150	NA	140	93	88-123
m+p-Xylenes	100	NA	93	93	88-122
o-Xylene	50	NA	47	94	90-123
Styrene	50	NA	43	87	87-131
Bromoform	50	NA	42	83	77-138
Isopropylbenzene	50	NA	48	96	88-125
cis-1,4-Dichloro-2-Butene	50	NA	45	90	60-140
trans-1,4-Dichloro-2-Butene	50	NA	47	94	60-140
Bromobenzene	50	NA	45	90	84-133
N-Propylbenzene	50	NA	50	100	88-124
1,1,2,2-Tetrachloroethane	50	NA	49	98	81-131
1,3,5-Trimethylbenzene	50	NA	48	95	89-124
2-Chlorotoluene	50	NA	51	101	84-128
1,2,3-Trichloropropane	50	NA	46	92	76-132
4-Chlorotoluene	50	NA	48	96	86-132
tert-Butylbenzene	50	NA	46	93	82-131
Pentachloroethane	50	NA	51	103	60-140
1,2,4-Trimethylbenzene	50	NA	45	90	88-121
P-Isopropyltoluene	50	NA	44	88	86-122
1,3-Dichlorobenzene	50	NA	43	86	86-124
1,4-Dichlorobenzene	50	NA	49	98	80-127
N-Butylbenzene	50	NA	48	96	81-133
sec-Butylbenzene	50	NA	48	95	85-122
1,2-Dichlorobenzene	50	NA	44	88	86-126
1,2-Dibromo-3-Chloropropane	50	NA	47	95	61-136
1,3,5-Trichlorobenzene	50	NA	45	90	67-128
Hexachlorobutadiene	50	NA	35	70	52-129

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER

Lab ID: WG6009-1
Client ID: WG6009-LCS
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	71	142	4-217
Chloromethane	50	NA	61	123	40-163
Vinyl chloride	50	NA	61	122	55-151
Bromomethane	50	NA	34	69	24-217
Chloroethane	50	NA	55	111	69-134
Trichlorofluoromethane	50	NA	50	99	71-147
Diethyl Ether	50	NA	54	109	67-135
Tertiary-butyl alcohol	250	NA	271	108	58-146
1,1-Dichloroethene	50	NA	53	107	78-136
Carbon Disulfide	50	NA	58	117	70-136
Freon-113	50	NA	48	96	60-140
Iodomethane	50	NA	25	* 51	60-140
Acrolein	250	NA	301	120	0-199
Methylene Chloride	50	NA	55	111	52-115
Acetone	50	NA	64	127	0-158
Isobutyl Alcohol	1000	NA	869	87	60-140
trans-1,2-Dichloroethene	50	NA	54	107	84-131
Allyl Chloride	50	NA	52	104	60-140
Methyl tert-butyl ether	100	NA	95	95	62-130
Acetonitrile	500	NA	546	109	53-141
Di-isopropyl ether	50	NA	55	111	82-130
Chloroprene	50	NA	50	101	60-140
Methacrylonitrile	500	NA	515	103	60-140
Propionitrile	500	NA	449	90	60-140
1,1-Dichloroethane	50	NA	53	106	81-134
Acrylonitrile	250	NA	237	95	29-172
Ethyl tertiary-butyl ether	50	NA	54	108	85-124
Vinyl Acetate	50	NA	42	84	68-174
cis-1,2-Dichloroethene	50	NA	51	102	84-123
1,2-Dichloroethylene (total)	100	NA	105	105	84-131
Methyl Methacrylate	50	NA	49	97	60-140
2,2-Dichloropropane	50	NA	48	95	69-150
Bromochloromethane	50	NA	46	93	77-146
Chloroform	50	NA	49	98	80-130
Carbon Tetrachloride	50	NA	47	95	74-137
Tetrahydrofuran	50	NA	44	88	32-140
1,1,1-Trichloroethane	50	NA	49	99	76-138
1,1-Dichloropropene	50	NA	48	97	82-120
2-Butanone	50	NA	71	143	49-154
Benzene	50	NA	51	102	88-120
Cyclohexane		NA			60-140
Ethyl Methacrylate	50	NA	50	99	60-140
Tertiary-amyl methyl ether	50	NA	50	100	85-125
1,2-Dichloroethane	50	NA	47	94	78-138
Trichloroethene	50	NA	50	100	80-125

NTC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/12/04
Report Date: 03/02/2004
Matrix: WATER

Lab ID: WG6009-1
Client ID: WG6009-LCS
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6009
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	46	92	88-130
1,2-Dichloropropane	50	NA	52	104	80-122
Bromodichloromethane	50	NA	46	91	83-133
cis-1,3-dichloropropene	50	NA	51	103	81-138
1,4-Dioxane	1000	NA	717	72	60-140
2-Chloroethylvinylether	50	NA	16	* 31	50-211
Toluene	50	NA	52	104	88-121
4-methyl-2-pentanone	50	NA	47	95	72-140
Tetrachloroethene	50	NA	41	82	77-129
trans-1,3-Dichloropropene	50	NA	49	98	81-149
1,1,2-Trichloroethane	50	NA	48	96	82-126
Dibromochloromethane	50	NA	45	90	80-133
1,3-Dichloropropane	50	NA	46	92	86-125
1,2-Dibromoethane	50	NA	46	93	88-127
2-Hexanone	50	NA	49	99	45-146
Chlorobenzene	50	NA	48	96	84-123
Ethylbenzene	50	NA	50	99	84-134
1,1,1,2-Tetrachloroethane	50	NA	46	91	83-130
Xylenes (total)	150	NA	150	100	88-123
m+p-Xylenes	100	NA	101	101	88-122
o-Xylene	50	NA	48	97	90-123
Styrene	50	NA	45	90	87-131
Bromoform	50	NA	41	83	77-138
Isopropylbenzene	50	NA	51	101	88-125
cis-1,4-Dichloro-2-Butene	50	NA	40	80	60-140
trans-1,4-Dichloro-2-Butene	50	NA	39	78	60-140
Bromobenzene	50	NA	47	94	84-133
N-Propylbenzene	50	NA	51	102	88-124
1,1,2,2-Tetrachloroethane	50	NA	43	86	81-131
1,3,5-Trimethylbenzene	50	NA	49	98	89-124
2-Chlorotoluene	50	NA	51	102	84-128
1,2,3-Trichloropropane	50	NA	44	89	76-132
4-Chlorotoluene	50	NA	52	104	86-132
tert-Butylbenzene	50	NA	53	106	82-131
Pentachloroethane	50	NA	52	103	60-140
1,2,4-Trimethylbenzene	50	NA	47	93	88-121
P-Isopropyltoluene	50	NA	50	99	86-122
1,3-Dichlorobenzene	50	NA	49	99	86-124
1,4-Dichlorobenzene	50	NA	48	96	80-127
N-Butylbenzene	50	NA	50	100	81-133
sec-Butylbenzene	50	NA	48	97	85-122
1,2-Dichlorobenzene	50	NA	47	95	86-126
1,2-Dibromo-3-Chloropropane	50	NA	38	77	61-136
1,3,5-Trichlorobenzene	50	NA	42	85	67-128
Hexachlorobutadiene	50	NA	37	75	52-129

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 02/13/04
Report Date: 03/02/2004
Matrix: WATER

Lab ID: WG6035-1
Client ID: WG6035-LCS
SDG: CTO297-4
Extracted by:
Extraction Method: SW846 5030
Analyst: KMB
Analysis Method: SW846 8260B
Lab Prep Batch: WG6035
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	42	84	53-157
1,2,3-Trimethylbenzene	50	NA	46	91	60-140
Naphthalene	50	NA	47	93	45-151
1,2,3-Trichlorobenzene	50	NA	48	95	30-164
Methyl Acetate	50	NA	53	106	60-140
Methylcyclohexane	50	NA	44	88	60-140

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5985-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: 3UB1128 Lab Sample ID: WG5985-1RA

Instrument ID: GC03 Matrix: (soil/water) WATER

Level:(low/med) LOW Date Extracted: 02/11/04

Date Analyzed (1): 02/12/04 Date Analyzed (2): 02/12/04

Time Analyzed (1): 2124 Time Analyzed (2): 2124

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	TIME ANALYZED 2	DATE
01	WG5985-LCS	WG5985-2	3UB1109	02/12/04	1537	02/12/04
02	WG5985-LCSD	WG5985-3	3UB1110	02/12/04	1556	02/12/04
03	G01-MW-06-0204	WU0334-1	3UB1111	02/12/04	1614	02/12/04
04	G01-MW-09-0204	WU0346-8	3UB1112	02/12/04	1632	02/12/04
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/11/04
Analysis Date: 02/12/04
Report Date: 03/03/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5985-1RA
Client ID: WG5985-Blank
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG5985
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		* 23%				

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG6088-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: 3UB1178 Lab Sample ID: WG6088-1RA

Instrument ID: GC03 Matrix: (soil/water) WATER

Level:(low/med) LOW Date Extracted: 02/17/04

Date Analyzed (1): 02/17/04 Date Analyzed (2): 02/17/04

Time Analyzed (1): 1819 Time Analyzed (2): 1819

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	TIME ANALYZED 2	DATE
01	WG6088-LCS	WG6088-2	3UB1179	02/17/04	1837	02/17/04
02	WG6088-LCSD	WG6088-3	3UB1180	02/17/04	1856	02/17/04
03	G01-MW-01A-0204	WU0318-2RE	3UB1184	02/17/04	2009	02/17/04
04	G01-MW-01-0204	WU0318-3RE	3UB1185	02/17/04	2027	02/17/04
05	G01-MW-03-0204	WU0318-4RE	3UB1186	02/17/04	2045	02/17/04
06	G01-MW-02-0204	WU0318-5RE	3UB1187	02/17/04	2104	02/17/04
07	G01-MW-04-0204	WU0318-6RE	3UB1188	02/17/04	2122	02/17/04
08	G01-MW-05-0204	WU0334-2RE	3UB1189	02/17/04	2140	02/17/04
09	G01-MW-11-0204	WU0346-1RE	3UB1190	02/17/04	2158	02/17/04
10	KW-DUP-02-0204	WU0346-3RE	3UB1191	02/17/04	2217	02/17/04
11	G01-MW-07-0204	WU0346-5RE	3UB1192	02/17/04	2235	02/17/04
12	G01-MW-10-0204	WU0346-7RE	3UB1193	02/17/04	2253	02/17/04
13	G01-MW-09-0204	WU0346-8RE	3UB1194	02/17/04	2311	02/17/04
14	G01-MW-12-0204	WU0346-9RE	3UB1195	02/17/04	2330	02/17/04
15	G01-MW-08-0204	WU0346-10RE	3UB1196	02/17/04	2348	02/17/04
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6088-1RA
Client ID: WG6088-Blank
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
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		109%				

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG6134-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: 3UB1223 Lab Sample ID: WG6134-1

Instrument ID: GC03 Matrix: (soil/water) WATER

Level:(low/med) LOW Date Extracted: 02/19/04

Date Analyzed (1): 02/19/04 Date Analyzed (2): 02/19/04

Time Analyzed (1): 1309 Time Analyzed (2): 1309

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	TIME ANALYZED 2	DATE
01	WG6134-LCS	WG6134-2	3UB1224	02/19/04	1327	02/19/04
02	WG6134-LCSD	WG6134-3	3UB1225	02/19/04	1345	02/19/04
03	G01-MW-06-0204	WU0334-1RE2	3UB1226	02/19/04	1403	02/19/04
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/19/04
Analysis Date: 02/19/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6134-1
Client ID: WG6134-Blank
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6134
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		*260%				

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/12/04 02/12/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 1311 1501

LAB FILE ID: RF0.02: 3UB1101 RF0.05: 3UB1102 RF0.1: 3UB1103
RF0.25: 3UB1104 RF0.5: 3UB1105 RF1: 3UB1106

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	2064	3702	6862	15441	28168	42391	2ORDR	1.418e-002	7.605e-006	3.71e-010	0.99960	0.99000
Tetrachloro-M-Xylene	10197	18131	24214	32992	55526	79264	2ORDR	0.12553519	1.436e-005	1.95e-010	0.99162	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/12/04 02/12/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 1311 1501

RF2.5: 3UB1107

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	72192	2ORDR	1.418e-002	7.605e-006	3.71e-010	0.99960	0.99000
Tetrachloro-M-Xylene	125060	2ORDR	0.12553519	1.436e-005	1.95e-010	0.99162	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/12/04 02/12/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 1311 1501

LAB FILE ID: RF0.02: 3UB2101 RF0.05: 3UB2102 RF0.1: 3UB2103
RF0.25: 3UB2104 RF0.5: 3UB2105 RF1: 3UB2106

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	181	318	649	1606		5059	2ORDR	1.545e-002	9.63e-005	2.02e-008	0.99965	0.99000
Tetrachloro-M-Xylene	850	1672	2481	3311		8719	2ORDR	5.83e-002	2.465e-004	4.893e-009	0.99902	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/12/04 02/12/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 1311 1501

RF2.5: 3UB2107

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	8949	2ORDR	1.545e-002	9.63e-005	2.02e-008	0.99965	0.99000
Tetrachloro-M-Xylene	15311	2ORDR	5.83e-002	2.465e-004	4.893e-009	0.99902	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/17/04 02/17/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 1553 1950

LAB FILE ID: RF0.02: 3UB1170 RF0.05: 3UB1171 RF0.1: 3UB1172
RF0.25: 3UB1173 RF0.5: 3UB1174 RF1: 3UB1175

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	1347	3756	6141	14782	26925	42656	2ORDR	-1.53e-002	1.783e-005	1.122e-010	0.99890	0.99000
Tetrachloro-M-Xylene	2620	15850	22271	38420	47616	80078	2ORDR	6.211e-002	2.737e-005	1.211e-011	0.99528	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/17/04 02/17/04

Column: SPB 608 ID: 0.53 (mm) Calibration Time(s): 1553 1950

RF2.5: 3UB1176

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	90229	2ORDR	-1.53e-002	1.783e-005	1.122e-010	0.99890	0.99000
Tetrachloro-M-Xylene	168590	2ORDR	6.211e-002	2.737e-005	1.211e-011	0.99528	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/17/04 02/17/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 1553 1743

LAB FILE ID: RF0.02: 3UB2170 RF0.05: 3UB2171 RF0.1: 3UB2172
RF0.25: 3UB2173 RF0.5: 3UB2174 RF1: 3UB2175

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	271	486	887	1871	3378	5392	2ORDR	-3.49e-002	1.666e-004	2.454e-009	0.99801	0.99000
Tetrachloro-M-Xylene	1018	2217	3312	5641	7338	11693	2ORDR	-7.45e-003	2.122e-004	-1.41e-009	0.99321	0.99000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date(s): 02/17/04 02/17/04

Column: RTX-CLP II ID: 0.53 (mm) Calibration Time(s): 1553 1743

RF2.5: 3UB2176

COMPOUND	RF2.5	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,2-Dibromoethane	12831	2ORDR	-3.49e-002	1.666e-004	2.454e-009	0.99801	0.99000
Tetrachloro-M-Xylene	29470	2ORDR	-7.45e-003	2.122e-004	-1.41e-009	0.99321	0.99000

FORM VI VOA

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

GC Column: SPB 608 ID: 0.53 (mm) Init. Calib. Date(s): 02/12/04 02/12/04

Instrument ID: GC03

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 12.07

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	ICAL	0.02 PPB	02/12/04	1311	12.12	
02	ICAL	0.05 PPB	02/12/04	1330	12.11	
03	ICAL	0.1 PPB	02/12/04	1348	12.09	
04	ICAL	0.25 PPB	02/12/04	1406	12.09	
05	ICAL	0.5 PPB	02/12/04	1424	12.07	
06	ICAL	1.0 PPB	02/12/04	1443	12.07	
07	ICAL	2.5 PPB	02/12/04	1501	12.07	
08	WG5985-LCS	WG5985-2	02/12/04	1537	12.09	
09	WG5985-LCSD	WG5985-3	02/12/04	1556	12.08	
10	G01-MW-06-02	WU0334-1	02/12/04	1614	12.07	
11	G01-MW-09-02	WU0346-8	02/12/04	1632	12.04	
12	WG5985-BLANK	WG5985-1RA	02/12/04	2124	12.08	
13	CV	0.5 CV	02/12/04	2237	12.05	
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: CTO297 NAS KEY WEST SDG No.: CTO297-4

GC Column: RTX-CLP II ID: 0.53 (mm) Init. Calib. Date(s): 02/12/04 02/12/04

Instrument ID: GC03

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

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 11.40

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	RT #
01	ICAL	0.02 PPB	02/12/04	1311	11.44	
02	ICAL	0.05 PPB	02/12/04	1330	11.44	
03	ICAL	0.1 PPB	02/12/04	1348	11.43	
04	ICAL	0.25 PPB	02/12/04	1406	11.41	
05	ICAL	0.5 PPB	02/12/04	1424	11.40	
06	ICAL	1.0 PPB	02/12/04	1443	11.39	
07	ICAL	2.5 PPB	02/12/04	1501	11.39	
08	WG5985-LCS	WG5985-2	02/12/04	1537	11.43	
09	WG5985-LCSD	WG5985-3	02/12/04	1556	11.41	
10	G01-MW-06-02	WU0334-1	02/12/04	1614	11.39	
11	G01-MW-09-02	WU0346-8	02/12/04	1632	11.36	
12	WG5985-BLANK	WG5985-1RA	02/12/04	2124	11.40	
13	CV	0.5 CV	02/12/04	2237	11.37	
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 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/12/04 Time: 2237

Lab File ID: 3UB1132 Init. Calib. Date(s): 02/12/04 02/12/04

Init. Calib. Times: 1311 1501

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	5.19e-002	0.5000000	8260.0000	0.01	-89.62	30.00	2RDR	<-
Tetrachloro-M-Xylene	0.4530600	1.2500000	14619.000	0.01	-63.76	30.00	2RDR	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/12/04 Time: 2237

Lab File ID: 3UB2132 Init. Calib. Date(s): 02/12/04 02/12/04

Init. Calib. Times: 1311 1501

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	5.46e-002	0.5000000	754.00000	0.01	-89.08	30.00	2RDR	<-
Tetrachloro-M-Xylene	0.5347200	1.2500000	1491.2000	0.01	-57.22	30.00	2RDR	<-

FORM VII PEST

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

GC Column: SPB 608 ID: 0.53 (mm) Init. Calib. Date(s): 02/17/04 02/17/04

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 PPB	02/17/04	1553	12.03	
02	ICAL	0.05 PPB	02/17/04	1611	12.03	
03	ICAL	0.1 PPB	02/17/04	1630	12.03	
04	ICAL	0.25 PPB	02/17/04	1648	12.03	
05	ICAL	0.5PPB	02/17/04	1706	12.03	
06	ICAL	1.0 PPB	02/17/04	1724	12.03	
07	ICAL	2.5 PPB	02/17/04	1743	12.01	
08	WG6088-BLANK	WG6088-1RA	02/17/04	1819	12.03	
09	WG6088-LCS	WG6088-2	02/17/04	1837	12.03	
10	WG6088-LCSD	WG6088-3	02/17/04	1856	12.03	
11	G01-MW-01A-0	WU0318-2RE	02/17/04	2009	12.03	
12	G01-MW-01-02	WU0318-3RE	02/17/04	2027	12.03	
13	G01-MW-03-02	WU0318-4RE	02/17/04	2045	12.03	
14	G01-MW-02-02	WU0318-5RE	02/17/04	2104	12.03	
15	G01-MW-04-02	WU0318-6RE	02/17/04	2122	12.01	
16	G01-MW-05-02	WU0334-2RE	02/17/04	2140	12.01	
17	G01-MW-11-02	WU0346-1RE	02/17/04	2158	12.01	
18	KW-DUP-02-02	WU0346-3RE	02/17/04	2217	12.03	
19	G01-MW-07-02	WU0346-5RE	02/17/04	2235	12.01	
20	G01-MW-10-02	WU0346-7RE	02/17/04	2253	12.01	

TCX = Tetrachloro-M-Xylene QC LIMITS (+/- 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: CTO297 NAS KEY WEST SDG No.: CTO297-4

GC Column: SPB 608 ID: 0.53 (mm) Init. Calib. Date(s): 02/17/04 02/17/04

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	G01-MW-09-02	WU0346-8RE	02/17/04	2311	12.01	
02	G01-MW-12-02	WU0346-9RE	02/17/04	2330	12.01	
03	G01-MW-08-02	WU0346-10RE	02/17/04	2348	12.03	
04	CV	CV 0.5 PPB	02/18/04	0006	12.03	
05	CV	CV 0.5 PPB	02/19/04	1003	12.00	
06	WG6134-BLANK	WG6134-1	02/19/04	1309	12.03	
07	WG6134-LCS	WG6134-2	02/19/04	1327	12.00	
08	WG6134-LCSD	WG6134-3	02/19/04	1345	11.99	
09	G01-MW-06-02	WU0334-1RE2	02/19/04	1403	12.00	
10	CV	CV 0.5 PPB	02/19/04	1441	12.01	
11						
12						
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: CTO297 NAS KEY WEST SDG No.: CTO297-4

GC Column: RTX-CLP II ID: 0.53 (mm) Init. Calib. Date(s): 02/17/04 02/17/04

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 PPB	02/17/04	1553	11.33	
02	ICAL	0.05 PPB	02/17/04	1611	11.33	
03	ICAL	0.1 PPB	02/17/04	1630	11.33	
04	ICAL	0.25 PPB	02/17/04	1648	11.33	
05	ICAL	0.5PPB	02/17/04	1706	11.33	
06	ICAL	1.0 PPB	02/17/04	1724	11.33	
07	ICAL	2.5 PPB	02/17/04	1743	11.33	
08	WG6088-BLANK	WG6088-1RA	02/17/04	1819	11.33	
09	WG6088-LCS	WG6088-2	02/17/04	1837	11.33	
10	WG6088-LCSD	WG6088-3	02/17/04	1856	11.35	
11	G01-MW-01A-0	WU0318-2RE	02/17/04	2009	11.33	
12	G01-MW-01-02	WU0318-3RE	02/17/04	2027	11.33	
13	G01-MW-03-02	WU0318-4RE	02/17/04	2045	11.35	
14	G01-MW-02-02	WU0318-5RE	02/17/04	2104	11.33	
15	G01-MW-04-02	WU0318-6RE	02/17/04	2122	11.33	
16	G01-MW-05-02	WU0334-2RE	02/17/04	2140	11.33	
17	G01-MW-11-02	WU0346-1RE	02/17/04	2158	11.33	
18	KW-DUP-02-02	WU0346-3RE	02/17/04	2217	11.33	
19	G01-MW-07-02	WU0346-5RE	02/17/04	2235	11.33	
20	G01-MW-10-02	WU0346-7RE	02/17/04	2253	11.33	

TCX = Tetrachloro-M-Xylene QC LIMITS (+/- 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: CTO297 NAS KEY WEST SDG No.: CTO297-4

GC Column: RTX-CLP II ID: 0.53 (mm) Init. Calib. Date(s): 02/17/04 02/17/04

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	G01-MW-09-02	WU0346-8RE	02/17/04	2311	11.32	
02	G01-MW-12-02	WU0346-9RE	02/17/04	2330	11.32	
03	G01-MW-08-02	WU0346-10RE	02/17/04	2348	11.33	
04	CV	CV 0.5 PPB	02/18/04	0006	11.33	
05	CV	CV 0.5 PPB	02/19/04	1003	11.31	
06	WG6134-BLANK	WG6134-1	02/19/04	1309	11.33	
07	WG6134-LCS	WG6134-2	02/19/04	1327	11.31	
08	WG6134-LCSD	WG6134-3	02/19/04	1345	11.29	
09	G01-MW-06-02	WU0334-1RE2	02/19/04	1403	11.31	
10	CV	CV 0.5 PPB	02/19/04	1441	11.32	
11						
12						
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 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/18/04 Time: 0006

Lab File ID: 3UB1197 Init. Calib. Date(s): 02/17/04 02/17/04

Init. Calib. Times: 1553 1950

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	0.5293300	0.5000000	52442.000	0.01	5.87	30.00	2RDR	
Tetrachloro-M-Xylene	1.9465000	1.2500000	53493.000	0.01	55.72	30.00	2RDR	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/18/04 Time: 0006

Lab File ID: 3UB2197 Init. Calib. Date(s): 02/17/04 02/17/04

Init. Calib. Times: 1553 1743

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	0.5078900	0.5000000	6230.0000	0.01	1.58	30.00	2RDR	
Tetrachloro-M-Xylene	2.0171000	1.2500000	8192.8000	0.01	61.37	30.00	2RDR	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/19/04 Time: 1003

Lab File ID: 3UB1222 Init. Calib. Date(s): 02/17/04 02/17/04

Init. Calib. Times: 1553 1950

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	0.6260400	0.5000000	60448.000	0.01	25.21	30.00	2RDR	
Tetrachloro-M-Xylene	1.8248000	1.2500000	50129.000	0.01	45.98	30.00	2RDR	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/19/04 Time: 1003

Lab File ID: 3UB2222 Init. Calib. Date(s): 02/17/04 02/17/04

Init. Calib. Times: 1553 1743

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	0.5648800	0.5000000	6854.0000	0.01	12.98	30.00	2RDR
Tetrachloro-M-Xylene	1.5484000	1.2500000	6184.8000	0.01	23.87	30.00	2RDR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC03 Calibration Date: 02/19/04 Time: 1441

Lab File ID: 3UB1227 Init. Calib. Date(s): 02/17/04 02/17/04

Init. Calib. Times: 1553 1950

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	0.4466500	0.5000000	45350.000	0.01	-10.67	30.00	2RDR
Tetrachloro-M-Xylene	1.3723000	1.2500000	37515.000	0.01	9.78	30.00	2RDR

FORM VII PEST

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 TCX#	1|S1 TCX#	2|S2 #	1|S2 #	2|S3 #	1|S3 #	2|S3 #	2|S4 OUT	1|S4
01	WG5985-LCS	WG5985-2	60	62						0	
02	~~WG5985-LCSD~~	WG5985-3	68	72						0	
03	G01-MW-06-0204	WU0334-1	51*	92						1	
04	G01-MW-09-0204	WU0346-8	52*	32*						2	
05	WG5985-BLANK	WG5985-1RA	20*	23*						2	
06	WG6088-BLANK	WG6088-1RA	109	108						0	
07	WG6088-LCS	WG6088-2	101	98						0	
08	WG6088-LCSD	WG6088-3	117	113						0	
09	G01-MW-01A-0204	WU0318-2RE	110	100						0	
10	G01-MW-01-0204	WU0318-3RE	76	73						0	
11	G01-MW-03-0204	WU0318-4RE	93	83						0	
12	G01-MW-02-0204	WU0318-5RE	93	85						0	
13	G01-MW-04-0204	WU0318-6RE	80	73						0	
14	G01-MW-05-0204	WU0334-2RE	109	105						0	
15	G01-MW-11-0204	WU0346-1RE	104	92						0	
16	KW-DUP-02-0204	WU0346-3RE	128	121						0	
17	G01-MW-07-0204	WU0346-5RE	86	79						0	
18	G01-MW-10-0204	WU0346-7RE	124	109						0	
19	G01-MW-09-0204	WU0346-8RE	124	106						0	
20	G01-MW-12-0204	WU0346-9RE	113	100						0	
21	G01-MW-08-0204	WU0346-10RE	122	119						0	
22	WG6134-BLANK	WG6134-1	260*	200*						2	
23	WG6134-LCS	WG6134-2	260*	207*						2	
24	WG6134-LCSD	WG6134-3	235*	194*						2	
25	G01-MW-06-0204	WU0334-1RE2	111	119						0	
26											
27											
28											

S1 (TCX) = Tetrachloro-M-Xylene QC LIMITS (57-128)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/11/04
Analysis Date: 02/12/04
Report Date: 03/03/2004
Matrix: WATER

Lab ID: WG5985-2 & WG5985-3
Client ID: WG5985-LCS & WG5985-LCSD
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG5985
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2-Dibromoethane	0.25	0.25	NA	0.14	0.14	* 54	* 58	6	30	70-130

FORM III SV-1

3UB1109.d & 3UB1110.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/17/04
Analysis Date: 02/17/04
Report Date: 03/03/2004
Matrix: WATER

Lab ID: WG6088-2 & WG6088-3
Client ID: WG6088-LCS & WG6088-LCSD
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6088
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2-Dibromoethane	0.25	0.25	NA	0.27	0.29	106	114	7	30	70-130

FORM III SV-1

3UB1179.d & 3UB1180.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/19/04
Analysis Date: 02/19/04
Report Date: 03/03/2004
Matrix: WATER

Lab ID: WG6134-2 & WG6134-3
Client ID: WG6134-LCS & WG6134-LCSD
SDG: CTO297-4
Extracted by: SAW
Extraction Method: 504.1
Analyst: JLP
Analysis Method: EPA 504.1
Lab Prep Batch: WG6134
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,2-Dibromoethane	0.25	0.25	NA	0.35	0.38	* 139	* 152	9	30	70-130

FORM III SV-1

3UB1224.d & 3UB1225.d

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4559 Date Analyzed: 03/02/04

Instrument ID: GCMS-X Time Analyzed: 1604

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	24843	8.60	76353	11.45	36363	15.59
UPPER LIMIT	49686	9.10	152706	11.95	72726	16.09
LOWER LIMIT	12422	8.10	38177	10.95	18182	15.09

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG5895-BLANK	WG5895-1	26167	8.60	87569	11.45	39725	15.59
02	WG5895-LCS	WG5895-2	24238	8.59	82725	11.45	39632	15.59
03	WG5895-LCSD	WG5895-3	23826	8.60	77480	11.45	33401	15.59
04	G01-MW-01A-0204	WU0318-2	23213	8.60	85825	11.45	40157	15.59
05	G01-MW-03-0204	WU0318-4	22725	8.60	75107	11.45	37894	15.59
06	G01-MW-02-0204	WU0318-5	23246	8.60	80439	11.45	38662	15.59
07	G01-MW-04-0204	WU0318-6	26497	8.60	92112	11.45	46264	15.59
08	WG6030-BLANK	WG6030-1	25355	8.60	82761	11.45	37167	15.59
09	WG6030-LCS	WG6030-2	26120	8.60	88388	11.45	37544	15.59
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19								
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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 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4559 Date Analyzed: 03/02/04

Instrument ID: GCMS-X Time Analyzed: 1604

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	62399	19.02	25293	25.32	10869	28.45
UPPER LIMIT	124798	19.52	50586	25.82	21738	28.95
LOWER LIMIT	31200	18.52	12647	24.82	5435	27.95

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG5895-BLANK	WG5895-1	74803	19.01	24202	25.32	10017	28.45
02	WG5895-LCS	WG5895-2	77499	19.01	35991	25.32	12187	28.45
03	WG5895-LCSD	WG5895-3	64495	19.01	29100	25.32	10387	28.45
04	G01-MW-01A-0204	WU0318-2	73039	19.01	30093	25.32	10183	28.45
05	G01-MW-03-0204	WU0318-4	70543	19.01	31909	25.32	16740	28.45
06	G01-MW-02-0204	WU0318-5	72512	19.02	33177	25.32	12577	28.45
07	G01-MW-04-0204	WU0318-6	82365	19.01	39982	25.32	17192	28.45
08	WG6030-BLANK	WG6030-1	67794	19.02	20639	25.32	7779	28.45
09	WG6030-LCS	WG6030-2	66439	19.01	31789	25.31	13548	28.45
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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 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5895-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: X4560 Lab Sample ID: WG5895-1

Instrument ID: GCMS-X Date Extracted: 02/06/04

Matrix: (soil/water) WATER Date Analyzed: 03/02/04

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	WG5895-LCS	WG5895-2	X4561	03/02/04	1736
02	WG5895-LCSD	WG5895-3	X4562	03/02/04	1821
03	G01-MW-01A-0204	WU0318-2	X4564	03/02/04	1949
04	G01-MW-03-0204	WU0318-4	X4566	03/02/04	2118
05	G01-MW-02-0204	WU0318-5	X4567	03/02/04	2202
06	G01-MW-04-0204	WU0318-6	X4568	03/02/04	2247
07	G01-MW-01-0204	WU0318-3RA	X4577	03/03/04	1200
08					
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/06/04
Analysis Date: 03/02/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5895-1
Client ID: WG5895-Blank
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5895
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		82%				
81103-79-9	Fluorene-d10		92%				
1718-52-1	Pyrene-d10		123%				

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4576 Date Analyzed: 03/03/04

Instrument ID: GCMS-X Time Analyzed: 1054

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		15637	8.57	49752	11.42	28010	15.56
UPPER LIMIT		31274	9.07	99504	11.92	56020	16.06
LOWER LIMIT		7819	8.07	24876	10.92	14005	15.06
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 G01-MW-01-0204	WU0318-3RA	15340	8.57	53184	11.42	28250	15.56
02 WG5943-BLANK	WG5943-1	15588	8.57	54222	11.43	29015	15.56
03 WG5943-LCS	WG5943-2	15675	8.57	54024	11.42	26728	15.56
04 B01-MW-03-0204MS	WG5943-3	16622	8.56	52536	11.42	27937	15.56
05 B01-MW-03-0204MSD	WG5943-4	15993	8.56	55510	11.42	27988	15.56
06 G01-MW-06-0204	WU0334-1	19357	8.56	60574	11.42	182259*	15.55
07 G01-MW-05-0204	WU0334-2	14996	8.56	51751	11.42	30264	15.56
08 B01-MW-01-0204	WU0334-4	15220	8.57	52398	11.42	30961	15.55
09 B01-MW-03-0204	WU0334-5	15416	8.56	53128	11.42	30632	15.55
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20							

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: CTO297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4576 Date Analyzed: 03/03/04

Instrument ID: GCMS-X Time Analyzed: 1054

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		47017	18.99	20288	25.28	9828	28.42
UPPER LIMIT		94034	19.49	40576	25.78	19656	28.92
LOWER LIMIT		23509	18.49	10144	24.78	4914	27.92
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	G01-MW-01-0204	WU0318-3RA	50520	18.99	17835	25.29	7999	28.42
02	WG5943-BLANK	WG5943-1	52170	18.99	18812	25.29	8278	28.42
03	WG5943-LCS	WG5943-2	48476	18.99	21652	25.28	10273	28.42
04	B01-MW-03-0204MS	WG5943-3	50132	18.99	25508	25.28	12199	28.42
05	B01-MW-03-0204MSD	WG5943-4	51479	18.99	26030	25.28	14012	28.42
06	G01-MW-06-0204	WU0334-1	54236	18.99	41974*	25.28	28275*	28.42
07	G01-MW-05-0204	WU0334-2	51793	18.99	27388	25.28	17889	28.42
08	B01-MW-01-0204	WU0334-4	53467	18.99	25755	25.28	13084	28.42
09	B01-MW-03-0204	WU0334-5	49782	18.99	22235	25.28	10467	28.42
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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 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4606 Date Analyzed: 03/04/04

Instrument ID: GCMS-X Time Analyzed: 1547

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	17007	8.56	64835	11.42	30121	15.56
UPPER LIMIT	34014	9.06	129670	11.92	60242	16.06
LOWER LIMIT	8504	8.06	32418	10.92	15061	15.06

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	G01-MW-06-0204	WU0334-1DL	19116	8.56	65938	11.42	34083	15.56
02	G01-MW-05-0204	WU0334-2DL	20001	8.56	74477	11.42	38564	15.55
03	G01-MW-07-0204	WU0346-5DL	19444	8.56	71239	11.42	41072	15.55
04								
05								
06								
07								
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4606 Date Analyzed: 03/04/04

Instrument ID: GCMS-X Time Analyzed: 1547

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD		54308	18.99	28532	25.28	16431	28.42
UPPER LIMIT		108616	19.49	57064	25.78	32862	28.92
LOWER LIMIT		27154	18.49	14266	24.78	8216	27.92
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 G01-MW-06-0204	WU0334-1DL	54599	18.99	28888	25.28	17274	28.42
02 G01-MW-05-0204	WU0334-2DL	55152	18.99	24740	25.28	11014	28.42
03 G01-MW-07-0204	WU0346-5DL	59699	18.99	25682	25.28	13072	28.42
04							
05							
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4622 Date Analyzed: 03/05/04

Instrument ID: GCMS-X Time Analyzed: 0941

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		22183	8.56	67504	11.41	31034	15.55
UPPER LIMIT		44366	9.06	135008	11.91	62068	16.05
LOWER LIMIT		11092	8.06	33752	10.91	15517	15.05
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	G01-MW-10-0204	WU0346-7DL2	21496	8.57	73711	11.42	38870	15.56
02	G01-MW-09-0204	WU0346-8DL2	22398	8.57	74489	11.42	40136	15.56
03	G01-MW-12-0204	WU0346-9DL2	21578	8.57	72616	11.42	36780	15.56
04	G01-MW-08-0204	WU0346-10DL2	19586	8.58	63738	11.43	29433	15.56
05	KW-DUP-02-0204	WU0346-3DL	22860	8.58	76668	11.43	39227	15.56
06								
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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 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4622 Date Analyzed: 03/05/04

Instrument ID: GCMS-X Time Analyzed: 0941

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		45949	18.99	21066	25.27	11032	28.41
UPPER LIMIT		91898	19.49	42132	25.77	22064	28.91
LOWER LIMIT		22975	18.49	10533	24.77	5516	27.91
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 G01-MW-10-0204	WU0346-7DL2	71652	18.99	30168	25.28	14813	28.42
02 G01-MW-09-0204	WU0346-8DL2	77433	18.99	34592	25.28	19419	28.42
03 G01-MW-12-0204	WU0346-9DL2	71977	18.99	31396	25.29	14950	28.42
04 G01-MW-08-0204	WU0346-10DL2	52540	18.99	18623	25.29	9087	28.42
05 KW-DUP-02-0204	WU0346-3DL	61817	18.99	26012	25.29	12391	28.43
06							
07							
08							
09							
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14							
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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 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4639 Date Analyzed: 03/06/04

Instrument ID: GCMS-X Time Analyzed: 1011

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	20073	8.58	76288	11.43	38648	15.57
UPPER LIMIT	40146	9.08	152576	11.93	77296	16.07
LOWER LIMIT	10037	8.08	38144	10.93	19324	15.07

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	G01-MW-11-0204	WU0346-1DL2	22848	8.58	82515	11.44	40396	15.57
02								
03								
04								
05								
06								
07								
08								
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18								
19								
20								

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 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID (Standard): X4639 Date Analyzed: 03/06/04

Instrument ID: GCMS-X Time Analyzed: 1011

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	47527	18.99	17843	25.29	8658	28.43
UPPER LIMIT	95054	19.49	35686	25.79	17316	28.93
LOWER LIMIT	23764	18.49	8922	24.79	4329	27.93

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	G01-MW-11-0204	WU0346-1DL2	55126	19.01	22111	25.31	8821	28.44
02								
03								
04								
05								
06								
07								
08								
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 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEYWEST SDG No.: CTO297-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG5895-BLANK	WG5895-1	82	92	123						0
02	WG5895-LCS	WG5895-2	80	83	83						0
03	WG5895-LCSD	WG5895-3	85	90	96						0
04	G01-MW-01A-0204	WU0318-2	51	54	54						0
05	G01-MW-03-0204	WU0318-4	40	43	35						0
06	G01-MW-02-0204	WU0318-5	48	54	51						0
07	G01-MW-04-0204	WU0318-6	65	58	49						0
08	WG6030-BLANK	WG6030-1	69	78	118						0
09	WG6030-LCS	WG6030-2	74	76	74						0
10	G01-MW-01-0204	WU0318-3RA	58	57	71						0
11	WG5943-BLANK	WG5943-1	73	72	108						0
12	WG5943-LCS	WG5943-2	84	79	86						0
13	B01-MW-03-0204MS	WG5943-3	70	64	62						0
14	B01-MW-03-0204MSD	WG5943-4	85	79	78						0
15	G01-MW-06-0204	WU0334-1	93	22*	74						1
16	G01-MW-05-0204	WU0334-2	83	62	59						0
17	B01-MW-01-0204	WU0334-4	91	75	80						0
18	B01-MW-03-0204	WU0334-5	78	66	85						0
19	G01-MW-06-0204 1-mg/phenol Acceptable	WU0334-1DL	D	D	D						0
20	G01-MW-05-0204	WU0334-2DL	D	D	D						0
21	G01-MW-07-0204	WU0346-5DL	84	75	112						0
22	G01-MW-10-0204	WU0346-7DL2	D	D	D						0
23	G01-MW-09-0204	WU0346-8DL2	74	54	48						0
24	G01-MW-12-0204	WU0346-9DL2	D	D	D						0
25	G01-MW-08-0204	WU0346-10DL2	D	D	D						0
26	KW-DUP-02-0204	WU0346-3DL	D	D	D						0
27	G01-MW-11-0204	WU0346-1DL2	D	D	D						0
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

WG5943-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: X4580 Lab Sample ID: WG5943-1

Instrument ID: GCMS-X Date Extracted: 02/09/04

Matrix: (soil/water) WATER Date Analyzed: 03/03/04

Level:(low/med) LOW Time Analyzed: 1413

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	WG5943-LCS	WG5943-2	X4581	03/03/04	1457
02	B01-MW-03-0204MS	WG5943-3	X4582	03/03/04	1542
03	B01-MW-03-0204MSD	WG5943-4	X4583	03/03/04	1626
04	G01-MW-06-0204	WU0334-1	X4584	03/03/04	1711
05	G01-MW-05-0204	WU0334-2	X4585	03/03/04	1754
06	B01-MW-01-0204	WU0334-4	X4586	03/03/04	1838
07	B01-MW-03-0204	WU0334-5	X4587	03/03/04	1922
08	G01-MW-06-0204	WU0334-1DL	X4607	03/04/04	1636
09	G01-MW-05-0204	WU0334-2DL	X4608	03/04/04	1720
10					
11					
12					
13					
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/09/04
Analysis Date: 03/03/04
Report Date: 03/05/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5943-1
Client ID: WG5943-Blank
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
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		73%				
81103-79-9	Fluorene-d10		72%				
1718-52-1	Pyrene-d10		108%				

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG6030-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: X4569 Lab Sample ID: WG6030-1

Instrument ID: GCMS-X Date Extracted: 02/13/04

Matrix: (soil/water) WATER Date Analyzed: 03/02/04

Level:(low/med) LOW Time Analyzed: 2331

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	WG6030-LCS	WG6030-2	X4570	03/03/04	0016
02	G01-MW-07-0204	WU0346-5DL	X4609	03/04/04	1804
03	G01-MW-10-0204	WU0346-7DL2	X4628	03/05/04	1408
04	G01-MW-09-0204	WU0346-8DL2	X4629	03/05/04	1452
05	G01-MW-12-0204	WU0346-9DL2	X4630	03/05/04	1537
06	G01-MW-08-0204	WU0346-10DL2	X4631	03/05/04	1622
07	KW-DUP-02-0204	WU0346-3DL	X4633	03/05/04	1750
08	G01-MW-11-0204	WU0346-1DL2	X4647	03/06/04	1608
09					
10					
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30					

COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEYWEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/13/04
Analysis Date: 03/02/04
Report Date: 03/08/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6030-1
Client ID: WG6030-Blank
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG6030
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		69%				
81103-79-9	Fluorene-d10		78%				
1718-52-1	Pyrene-d10		118%				

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: XD198 DFTPP Injection Date: 03/02/04

Instrument ID: GCMS-X DFTPP Injection Time: 0943

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	51.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	50.0
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	40.8
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.2
275	10.0 - 30.0% of mass 198	21.7
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	8.4 (70.3)2
442	40.0 - 100.0% of mass 198	52.6
443	17.0 - 23.0% of mass 442	12.0 (22.7)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		SSTD1.00X0302	X4553	03/02/04	1004
02		SSTD3.00X0302	X4554	03/02/04	1048
03		SSTD2.00X0302	X4555	03/02/04	1132
04		SSTD0.50X0302	X4556	03/02/04	1217
05		SSTD0.20X0302	X4557	03/02/04	1302
06					
07					
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FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date(s): 03/02/04 03/02/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1004 1302

LAB FILE ID: RF0.2: X4557 RF0.5: X4556 RF1: X4553
RF2: X4555 RF3: X4554

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF3	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.901	0.946	1.032	0.864	0.879	AVRG		0.92443311	7.312	15.000
2-Methylnaphthalene	0.445	0.491	0.564	0.507	0.529	AVRG		0.50718778	8.723	15.000
Acenaphthylene	1.224	1.248	1.388	1.303	1.441	AVRG		1.32070789	6.971	15.000
Acenaphthene	1.266	1.102	1.135	0.992	1.050	AVRG		1.10894869	9.294	30.000
Fluorene	0.961	1.030	1.135	1.015	1.083	AVRG		1.04481436	6.380	15.000
Phenanthrene	0.828	0.801	0.902	0.778	0.848	AVRG		0.83157726	5.697	15.000
Anthracene	0.732	0.817	0.808	0.747	0.839	AVRG		0.78857615	5.868	15.000
Fluoranthene	0.497	0.533	0.644	0.575	0.702	AVRG		0.59017367	14.091	15.000
Pyrene	1.730	1.703	2.133	1.674	1.671	AVRG		1.78199651	11.083	15.000
Benzo(a)anthracene	0.594	0.603	0.676	0.560	0.603	AVRG		0.60743538	6.991	15.000
Chrysene	1.310	1.390	1.287	1.121	1.206	AVRG		1.26273221	8.129	15.000
Benzo(b)fluoranthene	0.886	1.043	1.304	1.030	1.197	AVRG		1.09203233	14.818	15.000
Benzo(k)fluoranthene	2537	10314	22134	44639	73287	LINR	0.10886160	0.40976660	0.99909	0.99000
Benzo(a)pyrene	1225	6270	10854	22621	37624	LINR	9.546e-002	0.80600742	0.99958	0.99000
Indeno(1,2,3-cd)pyrene	0.702	0.720	0.688	0.673	0.692	AVRG		0.69507567	2.459	15.000
Dibenzo(a,h)anthracene	0.553	0.468	0.462	0.501	0.473	AVRG		0.49136148	7.654	15.000
Benzo(g,h,i)perylene	0.869	0.738	0.726	0.770	0.701	AVRG		0.76097786	8.568	15.000
1-Methylnaphthalene	0.489	0.492	0.566	0.496	0.523	AVRG		0.51353506	6.339	15.000
2-Methylnaphthalene-d10	0.304	0.394	0.378	0.360	0.371	AVRG		0.36128579	9.539	15.000
Fluorene-d10	1.010	1.168	1.234	1.092	1.164	AVRG		1.13366194	7.524	15.000
Pyrene-d10	1.287	1.262	1.472	1.323	1.287	AVRG		1.32594660	6.364	15.000

Average %RSD test result.

Calculate Average %RSD: 10.57689476
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: XD199 DFTPP Injection Date: 03/02/04

Instrument ID: GCMS-X DFTPP Injection Time: 1542

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	56.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	59.5
70	Less than 2.0% of mass 69	0.9 (1.5)1
127	40.0 - 60.0% of mass 198	42.6
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	7.2
275	10.0 - 30.0% of mass 198	23.7
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	11.2 (85.9)2
442	40.0 - 100.0% of mass 198	63.1
443	17.0 - 23.0% of mass 442	13.1 (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		SSTD1.00X0302	X4559	03/02/04	1604
02	WG5895-BLANK	WG5895-1	X4560	03/02/04	1652
03	WG5895-LCS	WG5895-2	X4561	03/02/04	1736
04	WG5895-LCSD	WG5895-3	X4562	03/02/04	1821
05	G01-MW-01A-0204	WU0318-2	X4564	03/02/04	1949
06	G01-MW-03-0204	WU0318-4	X4566	03/02/04	2118
07	G01-MW-02-0204	WU0318-5	X4567	03/02/04	2202
08	G01-MW-04-0204	WU0318-6	X4568	03/02/04	2247
09	WG6030-BLANK	WG6030-1	X4569	03/02/04	2331
10	WG6030-LCS	WG6030-2	X4570	03/03/04	0016
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/02/04 Time: 1604

Lab File ID: X4559 Init. Calib. Date(s): 03/02/04 03/02/04

Init. Calib. Times: 1004 1302

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	0.9240000	0.9959000	0.9959000	0.01	7.78	100.00	AVRG
2-Methylnaphthalene	0.5070000	0.5629700	0.5629700	0.01	11.04	100.00	AVRG
Acenaphthylene	1.3210000	1.3281000	1.3281000	0.01	0.54	100.00	AVRG
Acenaphthene	1.1090000	1.0922000	1.0922000	0.01	-1.51	20.00	AVRG
Fluorene	1.0450000	1.1766000	1.1766000	0.01	12.59	100.00	AVRG
Phenanthrene	0.8310000	0.9031600	0.9031600	0.01	8.68	100.00	AVRG
Anthracene	0.7890000	0.8260800	0.8260800	0.01	4.70	100.00	AVRG
Fluoranthene	0.5900000	0.6038300	0.6038300	0.01	2.34	20.00	AVRG
Pyrene	1.7820000	1.9496000	1.9496000	0.01	9.40	100.00	AVRG
Benzo(a)anthracene	0.6070000	0.6566600	0.6566600	0.01	8.18	100.00	AVRG
Chrysene	1.2630000	1.2589000	1.2589000	0.01	-0.32	100.00	AVRG
Benzo(b)fluoranthene	1.0920000	1.2761000	1.2761000	0.01	16.86	100.00	AVRG
Benzo(k)fluoranthene	1.0865000	1.0000000	2.4390000	0.01	8.65	100.00	LINR
Benzo(a)pyrene	1.0915000	1.0000000	1.2595000	0.01	9.15	20.00	LINR
Indeno(1,2,3-cd)pyrene	0.6950000	0.7439900	0.7439900	0.01	7.05	100.00	AVRG
Dibenzo(a,h)anthracene	0.4910000	0.5044800	0.5044800	0.01	2.74	100.00	AVRG
Benzo(g,h,i)perylene	0.7610000	0.8370200	0.8370200	0.01	9.99	100.00	AVRG
1-Methylnaphthalene	0.5130000	0.5678400	0.5678400	0.01	10.69	100.00	AVRG
2-Methylnaphthalene-d10	0.3610000	0.3873100	0.3873100	0.01	7.29	100.00	AVRG
Fluorene-d10	1.1340000	1.2047000	1.2047000	0.01	6.23	100.00	AVRG
Pyrene-d10	1.3260000	1.3807000	1.3807000	0.01	4.12	100.00	AVRG

FORM VII PEST

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: XD200 DFTPP Injection Date: 03/03/04

Instrument ID: GCMS-X DFTPP Injection Time: 0827

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	56.3
70	Less than 2.0% of mass 69	0.7 (1.3)1
127	40.0 - 60.0% of mass 198	42.7
197	Less than 1.0% of mass 198	0.3
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	24.1
365	1.0 - 100.0% of mass 198	2.6
441	0.0 - 100.0% of mass 443	11.8 (86.6)2
442	40.0 - 100.0% of mass 198	66.9
443	17.0 - 23.0% of mass 442	13.6 (20.3)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		SSTD1.00X0303	X4576	03/03/04	1054
02	G01-MW-01-0204	WU0318-3RA	X4577	03/03/04	1200
03	WG5943-BLANK	WG5943-1	X4580	03/03/04	1413
04	WG5943-LCS	WG5943-2	X4581	03/03/04	1457
05	B01-MW-03-0204MS	WG5943-3	X4582	03/03/04	1542
06	B01-MW-03-0204MSD	WG5943-4	X4583	03/03/04	1626
07	G01-MW-06-0204	WU0334-1	X4584	03/03/04	1711
08	G01-MW-05-0204	WU0334-2	X4585	03/03/04	1754
09	B01-MW-01-0204	WU0334-4	X4586	03/03/04	1838
10	B01-MW-03-0204	WU0334-5	X4587	03/03/04	1922
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/03/04 Time: 1054

Lab File ID: X4576 Init. Calib. Date(s): 03/02/04 03/02/04

Init. Calib. Times: 1004 1302

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	0.9240000	0.9429300	0.9429300	0.01	2.05	100.00	AVRG
2-Methylnaphthalene	0.5070000	0.5782900	0.5782900	0.01	14.06	100.00	AVRG
Acenaphthylene	1.3210000	1.4037000	1.4037000	0.01	6.26	100.00	AVRG
Acenaphthene	1.1090000	0.9394400	0.9394400	0.01	-15.29	20.00	AVRG
Fluorene	1.0450000	0.9846800	0.9846800	0.01	-5.77	100.00	AVRG
Phenanthrene	0.8310000	0.8478500	0.8478500	0.01	2.03	100.00	AVRG
Anthracene	0.7890000	0.6264800	0.6264800	0.01	-20.60	100.00	AVRG
Fluoranthene	0.5900000	0.6012100	0.6012100	0.01	1.90	20.00	AVRG
Pyrene	1.7820000	1.7035000	1.7035000	0.01	-4.40	100.00	AVRG
Benzo(a)anthracene	0.6070000	0.6036300	0.6036300	0.01	-0.56	100.00	AVRG
Chrysene	1.2630000	1.0505000	1.0505000	0.01	-16.82	100.00	AVRG
Benzo(b)fluoranthene	1.0920000	0.9319500	0.9319500	0.01	-14.66	100.00	AVRG
Benzo(k)fluoranthene	0.8642300	1.0000000	1.8965000	0.01	-13.58	100.00	LINR
Benzo(a)pyrene	0.8918200	1.0000000	1.0117000	0.01	-10.82	20.00	LINR
Indeno(1,2,3-cd)pyrene	0.6950000	0.4299600	0.4299600	0.01	-38.14	100.00	AVRG
Dibenzo(a,h)anthracene	0.4910000	0.4441200	0.4441200	0.01	-9.55	100.00	AVRG
Benzo(g,h,i)perylene	0.7610000	0.8107400	0.8107400	0.01	6.54	100.00	AVRG
1-Methylnaphthalene	0.5130000	0.5634500	0.5634500	0.01	9.83	100.00	AVRG
2-Methylnaphthalene-d10	0.3610000	0.4160200	0.4160200	0.01	15.24	100.00	AVRG
Fluorene-d10	1.1340000	1.0110000	1.0110000	0.01	-10.85	100.00	AVRG
Pyrene-d10	1.3260000	1.2247000	1.2247000	0.01	-7.64	100.00	AVRG

FORM VII PEST

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: XD203 DFTPP Injection Date: 03/04/04

Instrument ID: GCMS-X DFTPP Injection Time: 1527

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	54.3
70	Less than 2.0% of mass 69	0.5 (0.9)1
127	40.0 - 60.0% of mass 198	42.1
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	7.5
275	10.0 - 30.0% of mass 198	23.8
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	11.2 (80.5)2
442	40.0 - 100.0% of mass 198	74.2
443	17.0 - 23.0% of mass 442	13.8 (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		SSTD1.00X0304	X4606	03/04/04	1547
02	G01-MW-06-0204	WU0334-1DL	X4607	03/04/04	1636
03	G01-MW-05-0204	WU0334-2DL	X4608	03/04/04	1720
04	G01-MW-07-0204	WU0346-5DL	X4609	03/04/04	1804
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/04/04 Time: 1547

Lab File ID: X4606 Init. Calib. Date(s): 03/02/04 03/02/04

Init. Calib. Times: 1004 1302

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	0.9240000	0.8731800	0.8731800	0.01	-5.50	100.00	AVRG
2-Methylnaphthalene	0.5070000	0.5290500	0.5290500	0.01	4.35	100.00	AVRG
Acenaphthylene	1.3210000	1.3496000	1.3496000	0.01	2.16	100.00	AVRG
Acenaphthene	1.1090000	1.0388000	1.0388000	0.01	-6.33	20.00	AVRG
Fluorene	1.0450000	1.0847000	1.0847000	0.01	3.80	100.00	AVRG
Phenanthrene	0.8310000	0.8359300	0.8359300	0.01	0.59	100.00	AVRG
Anthracene	0.7890000	0.7337300	0.7337300	0.01	-7.00	100.00	AVRG
Fluoranthene	0.5900000	0.6897400	0.6897400	0.01	16.90	20.00	AVRG
Pyrene	1.7820000	1.5444000	1.5444000	0.01	-13.33	100.00	AVRG
Benzo(a)anthracene	0.6070000	0.6935600	0.6935600	0.01	14.26	100.00	AVRG
Chrysene	1.2630000	1.2435000	1.2435000	0.01	-1.54	100.00	AVRG
Benzo(b)fluoranthene	1.0920000	1.3342000	1.3342000	0.01	22.18	100.00	AVRG
Benzo(k)fluoranthene	0.9834400	1.0000000	2.1875000	0.01	-1.66	100.00	LINR
Benzo(a)pyrene	1.0570000	1.0000000	1.2166000	0.01	5.70	20.00	LINR
Indeno(1,2,3-cd)pyrene	0.6950000	1.0712000	1.0712000	0.01	54.13	100.00	AVRG
Dibenzo(a,h)anthracene	0.4910000	0.6490200	0.6490200	0.01	32.19	100.00	AVRG
Benzo(g,h,i)perylene	0.7610000	1.0956000	1.0956000	0.01	43.97	100.00	AVRG
1-Methylnaphthalene	0.5130000	0.5173200	0.5173200	0.01	0.84	100.00	AVRG
2-Methylnaphthalene-d10	0.3610000	0.3865600	0.3865600	0.01	7.08	100.00	AVRG
Fluorene-d10	1.1340000	1.1663000	1.1663000	0.01	2.85	100.00	AVRG
Pyrene-d10	1.3260000	1.1678000	1.1678000	0.01	-11.93	100.00	AVRG

FORM VII PEST

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: XD204 DFTPP Injection Date: 03/05/04

Instrument ID: GCMS-X DFTPP Injection Time: 0918

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.7
68	Less than 2.0% of mass 69	1.0 (1.6)1
69	Less than 100.0% of mass 198	60.2
70	Less than 2.0% of mass 69	0.6 (1.1)1
127	40.0 - 60.0% of mass 198	46.1
197	Less than 1.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.7
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	1.9
441	0.0 - 100.0% of mass 443	8.8 (80.8)2
442	40.0 - 100.0% of mass 198	55.5
443	17.0 - 23.0% of mass 442	10.8 (19.5)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		SSTD1.00X0305	X4622	03/05/04	0941
02	G01-MW-10-0204	WU0346-7DL2	X4628	03/05/04	1408
03	G01-MW-09-0204	WU0346-8DL2	X4629	03/05/04	1452
04	G01-MW-12-0204	WU0346-9DL2	X4630	03/05/04	1537
05	G01-MW-08-0204	WU0346-10DL2	X4631	03/05/04	1622
06	KW-DUP-02-0204 ✓	WU0346-3DL	X4633	03/05/04	1750
07					
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/05/04 Time: 0941

Lab File ID: X4622 Init. Calib. Date(s): 03/02/04 03/02/04

Init. Calib. Times: 1004 1302

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	0.9240000	0.9681100	0.9681100	0.01	4.77	100.00	AVRG
2-Methylnaphthalene	0.5070000	0.5489100	0.5489100	0.01	8.27	100.00	AVRG
Acenaphthylene	1.3210000	1.3041000	1.3041000	0.01	-1.28	100.00	AVRG
Acenaphthene	1.1090000	1.1156000	1.1156000	0.01	0.60	20.00	AVRG
Fluorene	1.0450000	1.0985000	1.0985000	0.01	5.12	100.00	AVRG
Phenanthrene	0.8310000	0.9686700	0.9686700	0.01	16.57	100.00	AVRG
Anthracene	0.7890000	0.7915900	0.7915900	0.01	0.33	100.00	AVRG
Fluoranthene	0.5900000	0.6504400	0.6504400	0.01	10.24	20.00	AVRG
Pyrene	1.7820000	1.9814000	1.9814000	0.01	11.19	100.00	AVRG
Benzo(a)anthracene	0.6070000	0.6005100	0.6005100	0.01	-1.07	100.00	AVRG
Chrysene	1.2630000	1.2860000	1.2860000	0.01	1.82	100.00	AVRG
Benzo(b)fluoranthene	1.0920000	1.0732000	1.0732000	0.01	-1.72	100.00	AVRG
Benzo(k)fluoranthene	0.9027900	1.0000000	1.9906000	0.01	-9.72	100.00	LINR
Benzo(a)pyrene	0.9364400	1.0000000	1.0671000	0.01	-6.36	20.00	LINR
Indeno(1,2,3-cd)pyrene	0.6950000	0.7709200	0.7709200	0.01	10.92	100.00	AVRG
Dibenzo(a,h)anthracene	0.4910000	0.5002200	0.5002200	0.01	1.88	100.00	AVRG
Benzo(g,h,i)perylene	0.7610000	0.9570700	0.9570700	0.01	25.76	100.00	AVRG
1-Methylnaphthalene	0.5130000	0.5608600	0.5608600	0.01	9.33	100.00	AVRG
2-Methylnaphthalene-d10	0.3610000	0.3454800	0.3454800	0.01	-4.30	100.00	AVRG
Fluorene-d10	1.1340000	0.9958100	0.9958100	0.01	-12.19	100.00	AVRG
Pyrene-d10	1.3260000	1.2911000	1.2911000	0.01	-2.63	100.00	AVRG

FORM VII PEST

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEYWEST SDG No.: CTO297-4

Lab File ID: XD205 DFTPP Injection Date: 03/06/04

Instrument ID: GCMS-X DFTPP Injection Time: 0906

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.6
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	45.9
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.8
275	10.0 - 30.0% of mass 198	21.5
365	1.0 - 100.0% of mass 198	2.3
441	0.0 - 100.0% of mass 443	9.3 (83.9)2
442	40.0 - 100.0% of mass 198	57.1
443	17.0 - 23.0% of mass 442	11.1 (19.5)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		SSTD1.00X0306	X4639	03/06/04	1011
02		SSTD3.00X0306	X4640	03/06/04	1057
03		SSTD2.00X0306	X4641	03/06/04	1141
04		SSTD0.50X0306	X4642	03/06/04	1226
05		SSTD0.20X0306	X4643	03/06/04	1310
06	G01-MW-11-0204	WU0346-1DL2	X4647	03/06/04	1608
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 297 NAS KEYWEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date(s): 03/06/04 03/06/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1011 1310

LAB FILE ID: RF0.2: X4643 RF0.5: X4642 RF1: X4639
RF2: X4641 RF3: X4640

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF3	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Naphthalene	0.891	0.866	0.807	0.798	0.721	AVRG		0.81685070		8.121	15.000
2-Methylnaphthalene	0.471	0.477	0.502	0.485	0.456	AVRG		0.47824810		3.498	15.000
Acenaphthylene	1.028	1.060	1.250	1.235	1.293	AVRG		1.17319013		10.252	15.000
Acenaphthene	0.965	0.916	0.869	0.901	0.882	AVRG		0.90660212		4.088	30.000
Fluorene	0.804	0.883	0.855	0.951	0.938	AVRG		0.88618113		6.814	15.000
Phenanthrene	1.116	1.051	0.981	1.140	1.036	AVRG		1.06492703		6.009	15.000
Anthracene	0.828	0.758	0.838	0.970	0.953	AVRG		0.86927290		10.354	15.000
Fluoranthene	0.574	0.587	0.605	0.731	0.741	AVRG		0.64775461		12.622	15.000
Pyrene	1.883	2.057	1.836	1.859	1.614	AVRG		1.84981700		8.552	15.000
Benzo(a)anthracene	0.692	0.582	0.610	0.640	0.710	AVRG		0.64716532		8.340	15.000
Chrysene	1.344	1.216	1.147	1.264	1.187	AVRG		1.23165096		6.149	15.000
Benzo(b)fluoranthene	1.086	1.117	0.969	1.023	1.060	AVRG		1.05084609		5.446	15.000
Benzo(k)fluoranthene	1.790	1.646	1.763	1.996	2.015	AVRG		1.84192387		8.622	15.000
Benzo(a)pyrene	0.926	0.967	1.013	1.114	1.189	AVRG		1.04188725		10.375	30.000
Indeno(1,2,3-cd)pyrene	0.763	0.803	0.645	0.813	0.905	AVRG		0.78573438		12.000	15.000
Dibenzo(a,h)anthracene	894	2348	4297	13485	31223	2ORDR	2.674e-003	2.34723732	-0.3228438	0.99535	0.99000
Benzo(g,h,i)perylene	0.855	0.920	0.798	1.017	0.999	AVRG		0.91787578		10.158	15.000
1-Methylnaphthalene	0.477	0.478	0.489	0.470	0.443	AVRG		0.47167964		3.673	15.000
2-Methylnaphthalene-d10	0.343	0.363	0.369	0.357	0.325	AVRG		0.35173762		5.004	15.000
Fluorene-d10	0.801	0.896	0.894	0.968	0.952	AVRG		0.90220485		7.255	15.000
Pyrene-d10	1.306	1.421	1.348	1.350	1.228	AVRG		1.33053601		5.293	15.000

Average %RSD test result.

Calculate Average %RSD: 10.80087280
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date: 02/05/04
Received Date: 02/06/04
Extraction Date: 02/09/04
Analysis Date: 03/03/04
Report Date: 03/05/2004
Matrix: WATER

Lab ID: WG5943-3 & WG5943-4
Client ID: B01-MW-03-0204MS & B01-MW-03-0204MSD
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG5943
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	1.9	1.9	0.00	1.2	1.4	64	72	12	30	30-150
2-Methylnaphthalene	1.9	1.9	0.00	1.3	1.6	69	83	19	30	30-150
Acenaphthylene	1.9	1.9	0.00	1.3	1.6	69	86	22	30	30-150
Acenaphthene	1.9	1.9	0.00	1.1	1.3	58	70	19	30	30-150
Fluorene	1.9	1.9	0.00	1.3	1.5	67	81	18	30	30-150
Phenanthrene	1.9	1.9	0.00	1.2	1.4	61	74	19	30	30-150
Anthracene	1.9	1.9	0.00	1.1	1.3	56	70	23	30	30-150
Fluoranthene	1.9	1.9	0.00	1.6	2.0	86	107	22	30	30-150
Pyrene	1.9	1.9	0.00	1.0	1.3	55	67	20	30	30-150
Benzo(a)anthracene	1.9	1.9	0.00	1.4	1.8	71	97	30	30	30-150
Chrysene	1.9	1.9	0.00	1.0	1.3	52	68	25	30	30-150
Benzo(b)fluoranthene	1.9	1.9	0.00	0.49	0.71	* 26	37	* 38	30	30-150
Benzo(k)fluoranthene	1.9	1.9	0.00	0.67	0.84	35	44	23	30	30-150
Benzo(a)pyrene	1.9	1.9	0.00	0.68	0.71	36	37	4	30	30-150
Indeno(1,2,3-cd)pyrene	1.9	1.9	0.00	0.29	0.59	* 15	31	* 68	30	30-150
Dibenzo(a,h)anthracene	1.9	1.9	0.00	0.27	0.47	* 14	* 25	* 56	30	30-150
Benzo(g,h,i)perylene	1.9	1.9	0.00	0.31	0.47	* 16	* 25	* 42	30	30-150

FORM III SV-1

X4582.D & X4583.D

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5942-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: X4719 Lab Sample ID: WG5942-1

Instrument ID: GCMS-X Date Extracted: 02/09/04

Matrix: (soil/water) WATER Date Analyzed: 03/11/04

Level:(low/med) LOW Time Analyzed: 1117

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	WG5942-LCS	WG5942-2	X4720	03/11/04	1202
02	WG5942-LCSD	WG5942-3	X4721	03/11/04	1247
03	G01-MW-06-0204	WU0334-6RA	X4729	03/11/04	1852
04					
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/09/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5942-1
Client ID: WG5942-Blank
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG5942
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	8
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	6
132-64-9	Dibenzofuran	U	10	1.0	10	10	4
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/09/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5942-1
Client ID: WG5942-Blank
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG5942
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	5
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		39%				
4165-60-0	Nitrobenzene-D5		80%				
321-60-8	2-Fluorobiphenyl		* 92%				
118-79-6	2,4,6-Tribromophenol		*113%				
1718-51-0	Terphenyl-D14		99%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG5942-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 297 NAS KEY WEST — SDG No.: CTO297-4

Matrix: (soil/water) WATER — Lab Sample ID: WG5942-1

Sample wt/vol: 1.000 (g/L) L — Lab File ID: X4719

Level: (low/med) LOW — Date Received: _____

% Moisture: _____ decanted: (Y/N)___ — Date Extracted: 02/09/04

Concentrated Extract Volume: 0.0010 (L) — Date Analyzed: 03/11/04

Injection Volume: _____(uL) — Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C8H18 ISOMER	2.35	200	J
2.	UNKNOWN	5.22	80	J
3.				
4.				
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FORM I SV-TIC

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG6031-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: X4722 Lab Sample ID: WG6031-1

Instrument ID: GCMS-X Date Extracted: 02/13/04

Matrix: (soil/water) WATER Date Analyzed: 03/11/04

Level:(low/med) LOW Time Analyzed: 1333

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	WG6031-LCS	WG6031-2	X4723	03/11/04	1418
02	WG6031-LCSD	WG6031-3	X4724	03/11/04	1503
03	G01-MW-11-0204	WU0346-2	X4726	03/11/04	1635
04	KW-DUP-02-0204	WU0346-4	X4727	03/11/04	1721
05	G01-MW-07-0204 3-12-04	WU0346-6	X4728	03/11/04	1806
06	G01-MW-11-0204	WU0346-2RA	X4730	03/11/04	1937
07	KW-DUP-02-0204	WU0346-4RA	X4731	03/11/04	2022
08	G01-MW-07-0204 3-12-04	WU0346-6RA	X4732	03/11/04	2108
09					
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COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6031-1
Client ID: WG6031-Blank
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
106-44-5	4-Methylphenol	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	8
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
100-02-7	4-Nitrophenol	U	25	1.0	25	25	6
132-64-9	Dibenzofuran	U	10	1.0	10	10	4
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER
% Solids: NA

Lab ID: WG6031-1
Client ID: WG6031-Blank
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	5
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		53%				
13127-88-3	Phenol-D6		38%				
4165-60-0	Nitrobenzene-D5		73%				
321-60-8	2-Fluorobiphenyl		* 92%				
118-79-6	2,4,6-Tribromophenol		102%				
1718-51-0	Terphenyl-D14		93%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG6031-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Matrix: (soil/water) WATER Lab Sample ID: WG6031-1

Sample wt/vol: 1.000 (g/L) L Lab File ID: X4722

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/04

Concentrated Extract Volume: 0.0010 (L) Date Analyzed: 03/11/04

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	2.34	400	J
2.	UNKNOWN	5.23	90	J
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FORM I SV-TIC

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: XD210 DFTPP Injection Date: 03/09/04

Instrument ID: GCMS-X DFTPP Injection Time: 1044

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	0.0 (0.0)1
69	Less than 100.0% of mass 198	66.8
70	Less than 2.0% of mass 69	0.5 (0.7)1
127	40.0 - 60.0% of mass 198	47.0
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 30.0% of mass 198	20.3
365	1.0 - 100.0% of mass 198	1.8
441	0.0 - 100.0% of mass 443	6.6 (84.4)2
442	40.0 - 100.0% of mass 198	43.2
443	17.0 - 23.0% of mass 442	7.8 (18.0)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		SSTD050X0309	X4691	03/09/04	1416
02		SSTD010X0309	X4692	03/09/04	1502
03		SSTD020X0309	X4693	03/09/04	1548
04		SSTD120X0309	X4694	03/09/04	1634
05		SSTD160X0309	X4695	03/09/04	1720
06		SSTD200X0309	X4696	03/09/04	1805
07					
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date(s): 03/09/04 03/09/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1111 1805

LAB FILE ID: RF10: X4692 RF20: X4693 RF50: X4691
RF120: X4694 RF160: X4695 RF200: X4696

COMPOUND	RF10	RF20	RF50	RF120	RF160	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Phenol	1.575	1.747	1.545	1.415	1.288	1.161	AVRG		1.45516964		14.545	15.000	
Bis(2-Chloroethyl)ether	1.469	1.509	1.303	1.014	0.906	0.726	AVRG		1.15433478		27.709	15.000	<
2-Chlorophenol	164840	366300	902040	1696200	2538000	2685900	2ORDR	3.83e-002	0.55891193	0.11738569	0.99778	0.99000	
1,3-Dichlorobenzene	185720	403000	1017600	1902100	2956500	3109200	2ORDR	2.027e-002	0.56070230	7.243e-002	0.99667	0.99000	
1,4-Dichlorobenzene	178140	393370	962830	1847600	2687300	2860100	2ORDR	5.359e-002	0.47733641	0.11323994	0.99801	0.99000	
1,2-Dichlorobenzene	173170	376720	855870	1631300	2401700	2502300	2ORDR	4.25e-002	0.52270847	0.15073280	0.99622	0.99000	
2-Methylphenol	1.144	1.171	1.072	0.933	0.931	0.865	AVRG		1.01922174		12.443	15.000	
2,2'-Oxybis(1-Chloropropa	2.264	2.425	2.019	1.988	2.019	1.794	AVRG		2.08475549		10.738	15.000	
4-Methylphenol	138120	315870	772380	1453600	2161600	2342700	2ORDR	2.698e-002	0.69499364	0.14519352	0.99926	0.99000	
N-Nitroso-di-n-propylamin	121270	276300	683740	1323000	1911400	2122500	LINR	-0.1843197	1.39191459		0.99018	0.99000	
Hexachloroethane	0.573	0.636	0.580	0.502	0.464	0.425	AVRG		0.53018270		15.013	15.000	<
Nitrobenzene	0.377	0.407	0.377	0.364	0.361	0.345	AVRG		0.37194610		5.604	15.000	
Isophorone	0.721	0.764	0.730	0.689	0.773	0.717	AVRG		0.73248398		4.268	15.000	
2-Nitrophenol	0.170	0.221	0.224	0.203	0.212	0.195	AVRG		0.20398028		9.814	15.000	
2,4-Dimethylphenol	0.337	0.364	0.354	0.327	0.333	0.312	AVRG		0.33779424		5.540	15.000	
Bis(2-Chloroethoxy)methan	0.490	0.520	0.476	0.443	0.444	0.416	AVRG		0.46494856		8.093	15.000	
2,4-Dichlorophenol	0.298	0.314	0.290	0.267	0.268	0.252	AVRG		0.28168598		8.235	15.000	
1,2,4-Trichlorobenzene	0.326	0.339	0.313	0.270	0.274	0.255	AVRG		0.29620240		11.578	15.000	
Naphthalene	419560	895700	2158200	3970800	5776900	5972900	LINR	-0.1761611	1.47001832		0.99188	0.99000	
4-Chloroaniline	0.410	0.435	0.400	0.386	0.393	0.341	AVRG		0.39415113		7.879	15.000	
Hexachlorobutadiene	0.154	0.171	0.148	0.142	0.137	0.131	AVRG		0.14706416		9.653	15.000	
4-Chloro-3-Methylphenol	0.278	0.298	0.299	0.275	0.277	0.226	AVRG		0.27535631		9.620	15.000	
2-Methylnaphthalene	0.597	0.658	0.604	0.521	0.499	0.514	AVRG		0.56560700		11.212	15.000	
Hexachlorocyclopentadiene	0.238	0.278	0.332	0.319	0.314	0.302	AVRG		0.29732187		11.528	15.000	
2,4,6-Trichlorophenol	0.358	0.392	0.374	0.350	0.348	0.311	AVRG		0.35547469		7.614	15.000	
2,4,5-Trichlorophenol	0.378	0.423	0.419	0.403	0.398	0.390	AVRG		0.40171926		4.279	15.000	
2-Chloronaphthalene	258470	568560	1402500	2432400	3540700	3662700	2ORDR	2.537e-002	0.63612165	0.15328623	0.99975	0.99000	
2-Nitroaniline	0.352	0.410	0.425	0.414	0.423	0.402	AVRG		0.40416350		6.672	15.000	
Dimethyl Phthalate	1.365	1.333	1.248	1.058	1.037	0.954	AVRG		1.16589397		14.722	15.000	
Acenaphthylene	372840	807620	2112000	3623100	5532800	5703200	LINR	-0.1835599	0.79554259		0.99177	0.99000	
2,6-Dinitrotoluene	0.249	0.291	0.318	0.297	0.313	0.282	AVRG		0.29178227		8.450	15.000	
3-Nitroaniline	0.303	0.332	0.355	0.314	0.286	0.262	AVRG		0.30887889		10.712	15.000	
Acenaphthene	234560	506550	1274800	2215500	3362400	3374800	2ORDR	2.883e-002	0.71507620	0.16833455	0.99907	0.99000	
2,4-Dinitrophenol	16310	58686	265080	524230	968670	952620	LINR	0.11346474	4.50750795		0.99183	0.99000	
4-Nitrophenol	0.110	0.122	0.154	0.146	0.161	0.136	AVRG		0.13831396		13.998	15.000	
Dibenzofuran	1.591	1.592	1.490	1.309	1.277	1.167	AVRG		1.40435721		12.694	15.000	
2,4-Dinitrotoluene	0.368	0.408	0.461	0.406	0.424	0.372	AVRG		0.40632788		8.495	15.000	
Diethylphthalate	283300	604600	1617200	2676500	3821500	3790600	2ORDR	8.501e-002	0.36818007	0.19368502	0.99801	0.99000	
4-Chlorophenyl-phenylethe	120900	249760	641780	1076900	1587200	1597200	2ORDR	4.191e-002	1.25479693	0.90035542	0.99940	0.99000	
Fluorene	1.150	1.188	1.153	0.992	0.970	0.876	AVRG		1.05480084		11.981	15.000	
4-Nitroaniline	0.285	0.306	0.362	0.332	0.362	0.325	AVRG		0.32880249		9.350	15.000	
4,6-Dinitro-2-Methylpheno	27908	80062	309500	606180	1055400	1055800	LINR	6.744e-002	6.47515671		0.99932	0.99000	
N-Nitrosodiphenylamine	176950	355010	985220	1756000	2616600	2563500	2ORDR	2.963e-002	1.58030377	0.61863544	0.99844	0.99000	
4-Bromophenyl-phenylether	0.176	0.182	0.169	0.160	0.159	0.153	AVRG		0.16652697		6.622	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date(s): 03/09/04 03/09/04

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1111 1805

LAB FILE ID: RF10: X4692 RF20: X4693 RF50: X4691
RF120: X4694 RF160: X4695 RF200: X4696

COMPOUND	RF10	RF20	RF50	RF120	RF160	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Hexachlorobenzene	0.184	0.198	0.184	0.174	0.169	0.168	AVRG		0.17942605		6.361	15.000
Pentachlorophenol	0.089	0.101	0.120	0.122	0.127	0.117	AVRG		0.11281689		12.812	15.000
Phenanthrene	0.974	0.989	0.898	0.834	0.772	0.764	AVRG		0.87172876		11.237	15.000
Anthracene	0.966	0.949	0.886	0.811	0.754	0.750	AVRG		0.85273032		11.166	15.000
Carbazole	0.902	0.905	0.900	0.834	0.774	0.781	AVRG		0.84915729		7.239	15.000
Di-n-butylphthalate	1.332	1.385	1.403	1.276	1.191	1.162	AVRG		1.29152425		7.745	15.000
Fluoranthene	0.912	0.914	0.930	0.844	0.765	0.764	AVRG		0.85481729		8.896	15.000
Pyrene	1.636	1.712	1.676	1.794	2.248	1.836	AVRG		1.81680164		12.306	15.000
Butylbenzylphthalate	0.836	0.961	1.057	1.097	1.197	1.076	AVRG		1.03715412		12.005	15.000
3,3'-Dichlorobenzidine	59383	111860	306400	428030	436790	503180	2ORDR	7.216e-002	1.82381337	4.40527994	0.99465	0.99000
Benzo(a)anthracene	1.182	1.266	1.203	1.180	1.210	1.151	AVRG		1.19870420		3.248	15.000
Chrysene	1.101	1.139	1.046	0.980	0.979	0.936	AVRG		1.03009208		7.644	15.000
bis(2-Ethylhexyl)phthalat	1.215	1.342	1.461	1.483	1.522	1.423	AVRG		1.40777190		8.002	15.000
Di-n-octylphthalate	332130	698690	2393700	3741000	4505600	5381200	LINR	9.709e-003	0.26247337		0.99382	0.99000
Benzo(b)fluoranthene	1.268	1.458	1.583	1.437	1.411	1.390	AVRG		1.42448021		7.169	15.000
Benzo(k)fluoranthene	1.472	1.439	1.531	1.412	1.485	1.396	AVRG		1.45593978		3.445	15.000
Benzo(a)pyrene	1.102	1.185	1.192	1.172	1.186	1.159	AVRG		1.16602836		2.892	15.000
Indeno(1,2,3-cd)pyrene	0.682	0.750	0.698	0.772	0.870	0.813	AVRG		0.76427318		9.232	15.000
Dibenzo(a,h)anthracene	0.724	0.743	0.709	0.751	0.819	0.782	AVRG		0.75470736		5.297	15.000
Benzo(g,h,i)perylene	0.773	0.732	0.745	0.789	0.860	0.798	AVRG		0.78293246		5.832	15.000
2-Fluorophenol	1.211	1.375	1.317	1.190	1.172	1.077	AVRG		1.22375959		8.736	15.000
Phenol-D6	1.501	1.665	1.496	1.298	1.234	1.078	AVRG		1.37865330		15.496	15.000
Nitrobenzene-D5	0.369	0.408	0.398	0.375	0.390	0.376	AVRG		0.38596830		3.931	15.000
2-Fluorobiphenyl	287270	598690	1494300	2699000	4103500	4213400	LINR	-0.1763477	1.07387735		0.99255	0.99000
2,4,6-Tribromophenol	0.111	0.116	0.109	0.108	0.121	0.094	AVRG		0.10977576		8.301	15.000
Terphenyl-D14	0.859	0.978	0.988	1.079	1.295	1.091	AVRG		1.04839109		14.018	15.000

Average %RSD test result.

Calculate Average %RSD: 10.85221195
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: XD212 DFTPP Injection Date: 03/11/04

Instrument ID: GCMS-X DFTPP Injection Time: 1010

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	59.6
68	Less than 2.0% of mass 69	1.1 (1.5)1
69	Less than 100.0% of mass 198	71.5
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	50.6
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	6.2
275	10.0 - 30.0% of mass 198	17.8
365	1.0 - 100.0% of mass 198	1.9
441	0.0 - 100.0% of mass 443	6.1 (79.4)2
442	40.0 - 100.0% of mass 198	40.2
443	17.0 - 23.0% of mass 442	7.7 (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		SSTD050X0311	X4718	03/11/04	1031
02	WG5942-BLANK	WG5942-1	X4719	03/11/04	1117
03	WG5942-LCS	WG5942-2	X4720	03/11/04	1202
04	WG5942-LCSD	WG5942-3	X4721	03/11/04	1247
05	WG6031-BLANK	WG6031-1	X4722	03/11/04	1333
06	WG6031-LCS	WG6031-2	X4723	03/11/04	1418
07	WG6031-LCSD	WG6031-3	X4724	03/11/04	1503
08	G01-MW-11-0204	WU0346-2	X4726	03/11/04	1635
09	KW-DUP-02-0204	WU0346-4	X4727	03/11/04	1721
10	G01-MW-07-0204	WU0346-6	X4728	03/11/04	1806
11	G01-MW-06-0204	WU0334-6RA	X4729	03/11/04	1852
12	G01-MW-11-0204	WU0346-2RA	X4730	03/11/04	1937
13	KW-DUP-02-0204	WU0346-4RA	X4731	03/11/04	2022
14	G01-MW-07-0204	WU0346-6RA	X4732	03/11/04	2108
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FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/11/04 Time: 1031

Lab File ID: X4718 Init. Calib. Date(s): 03/09/04 03/09/04

Init. Calib. Times: 1111 1805

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Phenol	1.4550000	1.8016000	1.8016000	0.01	23.82	20.00	AVRG	<-
Bis(2-Chloroethyl)ether	1.1540000	1.4099000	1.4099000	0.01	22.18	100.00	AVRG	
2-Chlorophenol	51.685000	50.000000	1.3302000	0.01	3.37	100.00	2RDR	
1,3-Dichlorobenzene	51.368000	50.000000	1.4594000	0.01	2.74	100.00	2RDR	
1,4-Dichlorobenzene	49.177000	50.000000	1.3942000	0.01	-1.65	20.00	2RDR	
1,2-Dichlorobenzene	49.147000	50.000000	1.2512000	0.01	-1.71	100.00	2RDR	
2-Methylphenol	1.0190000	1.1008000	1.1008000	0.01	8.03	100.00	AVRG	
2,2'-Oxybis(1-Chloropropane)	2.0850000	2.1459000	2.1459000	0.01	2.92	100.00	AVRG	
4-Methylphenol	54.398000	50.000000	1.1743000	0.01	8.80	100.00	2RDR	
N-Nitroso-di-n-propylamine	60.938000	50.000000	0.9815400	0.05	21.88	100.00	LINR	
Hexachloroethane	0.5300000	0.6137900	0.6137900	0.01	15.81	100.00	AVRG	
Nitrobenzene	0.3720000	0.4354100	0.4354100	0.01	17.05	100.00	AVRG	
Isophorone	0.7320000	0.8007900	0.8007900	0.01	9.40	100.00	AVRG	
2-Nitrophenol	0.2040000	0.2306500	0.2306500	0.01	13.06	20.00	AVRG	
2,4-Dimethylphenol	0.3380000	0.3878500	0.3878500	0.01	14.75	100.00	AVRG	
Bis(2-Chloroethoxy)methane	0.4650000	0.5354400	0.5354400	0.01	15.15	100.00	AVRG	
2,4-Dichlorophenol	0.2820000	0.3015400	0.3015400	0.01	6.93	20.00	AVRG	
1,2,4-Trichlorobenzene	0.2960000	0.3096300	0.3096300	0.01	4.60	100.00	AVRG	
Naphthalene	62.473000	50.000000	0.9458400	0.01	24.95	100.00	LINR	
4-Chloroaniline	0.3940000	0.4344600	0.4344600	0.01	10.27	100.00	AVRG	
Hexachlorobutadiene	0.1470000	0.1525100	0.1525100	0.01	3.75	20.00	AVRG	
4-Chloro-3-Methylphenol	0.2760000	0.3021100	0.3021100	0.01	9.46	20.00	AVRG	
2-Methylnaphthalene	0.5660000	0.6073600	0.6073600	0.01	7.31	100.00	AVRG	
Hexachlorocyclopentadiene	0.2970000	0.3191200	0.3191200	0.05	7.45	100.00	AVRG	
2,4,6-Trichlorophenol	0.3560000	0.3656000	0.3656000	0.01	2.70	20.00	AVRG	
2,4,5-Trichlorophenol	0.4020000	0.4055700	0.4055700	0.01	0.89	100.00	AVRG	
2-Chloronaphthalene	49.360000	50.000000	1.1332000	0.01	-1.28	100.00	2RDR	
2-Nitroaniline	0.4040000	0.4336900	0.4336900	0.01	7.35	100.00	AVRG	
Dimethyl Phthalate	1.1660000	1.2401000	1.2401000	0.01	6.36	100.00	AVRG	

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/11/04 Time: 1031

Lab File ID: X4718 Init. Calib. Date(s): 03/09/04 03/09/04

Init. Calib. Times: 1111 1805

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Acenaphthylene	58.984000	50.000000	1.6674000	0.01	17.97	100.00	LINR
2,6-Dinitrotoluene	0.2920000	0.3134300	0.3134300	0.01	7.34	100.00	AVRG
3-Nitroaniline	0.3090000	0.3432200	0.3432200	0.01	11.07	100.00	AVRG
Acenaphthene	46.706000	50.000000	0.9872600	0.01	-6.59	20.00	2RDR
2,4-Dinitrophenol	41.626000	50.000000	0.1645600	0.05	-16.75	100.00	LINR
4-Nitrophenol	0.1380000	0.1480100	0.1480100	0.05	7.25	100.00	AVRG
Dibenzofuran	1.4040000	1.4341000	1.4341000	0.01	2.14	100.00	AVRG
2,4-Dinitrotoluene	0.4060000	0.4323200	0.4323200	0.01	6.48	100.00	AVRG
Diethylphthalate	47.123000	50.000000	1.2866000	0.01	-5.75	100.00	2RDR
4-Chlorophenyl-phenylether	46.294000	50.000000	0.4930800	0.01	-7.41	100.00	2RDR
Fluorene	1.0550000	1.0886000	1.0886000	0.01	3.18	100.00	AVRG
4-Nitroaniline	0.3290000	0.3172600	0.3172600	0.01	-3.57	100.00	AVRG
4,6-Dinitro-2-Methylphenol	47.206000	50.000000	0.1374700	0.01	-5.59	100.00	LINR
N-Nitrosodiphenylamine	49.338000	50.000000	0.4913000	0.01	-1.32	20.00	2RDR
4-Bromophenyl-phenylether	0.1660000	0.1685700	0.1685700	0.01	1.55	100.00	AVRG
Hexachlorobenzene	0.1800000	0.1911000	0.1911000	0.01	6.17	100.00	AVRG
Pentachlorophenol	0.1130000	0.1178500	0.1178500	0.01	4.29	20.00	AVRG
Phenanthrene	0.8720000	0.8969300	0.8969300	0.01	2.86	100.00	AVRG
Anthracene	0.8530000	0.9061000	0.9061000	0.01	6.22	100.00	AVRG
Carbazole	0.8490000	0.8921000	0.8921000	0.01	5.08	100.00	AVRG
Di-n-butylphthalate	1.2920000	1.4973000	1.4973000	0.01	15.89	100.00	AVRG
Fluoranthene	0.8550000	0.9288100	0.9288100	0.01	8.63	20.00	AVRG
Pyrene	1.8170000	1.6410000	1.6410000	0.01	-9.69	100.00	AVRG
Butylbenzylphthalate	1.0370000	1.0737000	1.0737000	0.01	3.54	100.00	AVRG
3,3'-Dichlorobenzidine	58.818000	50.000000	0.3145700	0.01	17.64	100.00	2RDR
Benzo(a)anthracene	1.1990000	1.2386000	1.2386000	0.01	3.30	100.00	AVRG
Chrysene	1.0300000	1.0849000	1.0849000	0.01	5.33	100.00	AVRG
bis(2-Ethylhexyl)phthalate	1.4080000	1.4588000	1.4588000	0.01	3.61	100.00	AVRG
Di-n-octylphthalate	54.982000	50.000000	4.1599000	0.01	9.96	20.00	LINR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GCMS-X Calibration Date: 03/11/04 Time: 1031

Lab File ID: X4718 Init. Calib. Date(s): 03/09/04 03/09/04

Init. Calib. Times: 1111 1805

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Benzo(b)fluoranthene	1.4240000	1.4947000	1.4947000	0.01	4.96	100.00	AVRG
Benzo(k)fluoranthene	1.4560000	1.5964000	1.5964000	0.01	9.64	100.00	AVRG
Benzo(a)pyrene	1.1660000	1.1513000	1.1513000	0.01	-1.26	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7640000	0.5026200	0.5026200	0.01	-34.21	100.00	AVRG
Dibenzo(a,h)anthracene	0.7550000	0.5358800	0.5358800	0.01	-29.02	100.00	AVRG
Benzo(g,h,i)perylene	0.7830000	0.4663100	0.4663100	0.01	-40.45	100.00	AVRG
2-Fluorophenol	1.2240000	1.3817000	1.3817000	0.01	12.88	100.00	AVRG
Phenol-D6	1.3790000	1.5749000	1.5749000	0.01	14.21	100.00	AVRG
Nitrobenzene-D5	0.3860000	0.4163800	0.4163800	0.01	7.87	100.00	AVRG
2-Fluorobiphenyl	59.779000	50.000000	1.2447000	0.01	19.56	100.00	LINR
2,4,6-Tribromophenol	0.1100000	0.1137500	0.1137500	0.01	3.41	100.00	AVRG
Terphenyl-D14	1.0480000	0.9640600	0.9640600	0.01	-8.01	100.00	AVRG

FORM VII PEST

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 297 NAS KEY WEST SDG No.: CTO297-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG5942-BLANK	WG5942-1	57	39	80	92*	113*	99			2
02	WG5942-LCS	WG5942-2	53	37	73	82	109*	84			1
03	WG5942-LCSD	WG5942-3	61	43	80	89*	122*	99			2
04	WG6031-BLANK	WG6031-1	53	38	73	92*	102	93			1
05	WG6031-LCS	WG6031-2	59	42	84	98*	116*	87			2
06	WG6031-LCSD	WG6031-3	62	45	87	96*	112*	89			2
07	G01-MW-11-0204	WU0346-2	33*	25	45	57	96	101			1
08	KW-DUP-02-02~~1~~04	WU0346-4	46	39	72	93*	101	102			1
09	G01-MW-07-0204 3-10-04	WU0346-6	51	41	70	89*	93	107			1
10	G01-MW-06-0204	WU0334-6RA	44	39	71	87	100	113			0
11	G01-MW-11-0204	WU0346-2RA	33*	23	43	58	84	88			1
12	KW-DUP-02-02~~1~~04 3-12-04	WU0346-4RA	51	40	75	92*	103	101			1
13	G01-MW-07-0204	WU0346-6RA	53	44	67	89*	98	95			1
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(35- 74)
S2 (PHL)	= Phenol-D6	(22- 98)
S3 (NBZ)	= Nitrobenzene-D5	(17-102)
S4 (FBP)	= 2-Fluorobiphenyl	(28- 87)
S5 (TBP)	= 2,4,6-Tribromophenol	(41-106)
S6 (TPH)	= Terphenyl-D14	(35-126)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/09/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER

Lab ID: WG5942-2 & WG5942-3
Client ID: WG5942-LCS & WG5942-LCSD
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG5942
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	37	42	37	42	13	30	0-126
Bis(2-Chloroethyl)ether	50	50	NA	46	49	92	99	7	30	56-108
2-Chlorophenol	100	100	NA	73	86	73	86	16	30	42-100
1,3-Dichlorobenzene	50	50	NA	25	26	50	52	3	30	30- 94
1,4-Dichlorobenzene	50	50	NA	24	26	48	52	6	30	33- 94
1,2-Dichlorobenzene	50	50	NA	25	26	50	53	6	30	35- 95
2-Methylphenol	100	100	NA	68	75	68	75	10	30	51- 99
2,2'-Oxybis(1-Chloropropane)	50	50	NA	37	42	75	84	11	30	20-126
4-Methylphenol	100	100	NA	69	77	69	77	11	30	38-108
N-Nitroso-di-n-propylamine	50	50	NA	34	39	69	77	12	30	48-108
Hexachloroethane	50	50	NA	25	25	50	49	0.8	30	21- 92
Nitrobenzene	50	50	NA	39	43	78	86	9	30	50-102
Isophorone	50	50	NA	35	37	70	74	6	30	21-118
2-Nitrophenol	100	100	NA	74	82	74	82	11	30	5-129
2,4-Dimethylphenol	100	100	NA	73	81	73	81	10	30	50- 98
Bis(2-Chloroethoxy)methane	50	50	NA	38	40	77	81	5	30	51-102
2,4-Dichlorophenol	100	100	NA	69	78	69	78	12	30	37-103
1,2,4-Trichlorobenzene	50	50	NA	28	28	57	55	2	30	30- 98
Naphthalene	50	50	NA	34	38	68	75	9	30	43- 90
4-Chloroaniline	50	50	NA	24	26	* 48	52	7	30	49-107
Hexachlorobutadiene	50	50	NA	27	24	53	49	8	30	19- 96
4-Chloro-3-Methylphenol	100	100	NA	78	89	78	89	13	30	52-117
2-Methylnaphthalene	50	50	NA	32	33	63	67	5	30	46-101
Hexachlorocyclopentadiene	50	50	NA	20	20	40	41	2	30	0- 94
2,4,6-Trichlorophenol	100	100	NA	80	90	80	90	11	30	22-124
2,4,5-Trichlorophenol	100	100	NA	81	82	81	82	2	30	32-114
2-Chloronaphthalene	50	50	NA	31	35	62	70	13	30	45-139
2-Nitroaniline	50	50	NA	42	46	84	93	10	30	56-119
Dimethyl Phthalate	50	50	NA	30	31	60	62	3	30	0-139
Acenaphthylene	50	50	NA	40	44	79	87	9	30	51- 96
2,6-Dinitrotoluene	50	50	NA	43	49	85	97	13	30	60-113
3-Nitroaniline	50	50	NA	43	46	86	92	6	30	44-151
Acenaphthene	50	50	NA	32	36	65	72	10	30	53- 97
2,4-Dinitrophenol	100	100	NA	62	77	62	77	21	30	34- 98
4-Nitrophenol	100	100	NA	40	46	40	46	14	30	0-107
Dibenzofuran	50	50	NA	39	42	78	84	8	30	58-103
2,4-Dinitrotoluene	50	50	NA	40	44	80	88	10	30	50-114
Diethylphthalate	50	50	NA	30	34	60	67	10	30	39-1110
4-Chlorophenyl-phenylether	50	50	NA	34	37	67	73	9	30	56-108
Fluorene	50	50	NA	41	44	82	88	8	30	56-102
4-Nitroaniline	50	50	NA	37	41	74	81	9	30	52-161
4,6-Dinitro-2-Methylphenol	100	100	NA	95	101	95	101	6	30	23-141
N-Nitrosodiphenylamine	100	100	NA	102	105	102	105	3	30	64-123
4-Bromophenyl-phenylether	50	50	NA	51	53	101	105	4	30	55-125
Hexachlorobenzene	50	50	NA	50	56	101	113	11	30	51-117

FORM III SV-1

X4720.D & X4721.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/09/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER

Lab ID: WG5942-2 & WG5942-3
Client ID: WG5942-LCS & WG5942-LCSD
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG5942
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Pentachlorophenol	100	100	NA	98	104	98	104	6	30	0-155
Phenanthrene	50	50	NA	46	48	93	96	3	30	55-112
Anthracene	50	50	NA	50	51	100	101	2	30	57-117
Carbazole	50	50	NA	49	51	98	101	3	30	41-177
Di-n-butylphthalate	50	50	NA	49	50	98	100	1	30	61-121
Fluoranthene	50	50	NA	51	52	103	103	0.8	30	52-121
Pyrene	50	50	NA	40	46	80	91	14	30	47-119
Butylbenzylphthalate	50	50	NA	38	42	75	84	11	30	49-125
3,3'-Dichlorobenzidine	50	50	NA	39	43	78	86	9	30	3-222
Benzo(a)anthracene	50	50	NA	43	47	85	93	9	30	52-107
Chrysene	50	50	NA	46	49	93	98	5	30	53-110
bis(2-Ethylhexyl)phthalate	50	50	NA	42	47	84	93	10	30	49-148
Di-n-octylphthalate	50	50	NA	51	55	101	111	9	30	28-189
Benzo(b)fluoranthene	50	50	NA	47	51	94	103	9	30	39-146
Benzo(k)fluoranthene	50	50	NA	49	54	98	107	9	30	43-120
Benzo(a)pyrene	50	50	NA	46	50	91	99	8	30	45-129
Indeno(1,2,3-cd)pyrene	50	50	NA	30	35	59	70	17	30	50-112
Dibenzo(a,h)anthracene	50	50	NA	30	34	60	68	13	30	50-113
Benzo(g,h,i)perylene	50	50	NA	26	33	52	65	23	30	46-111

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER

Lab ID: WG6031-2 & WG6031-3
Client ID: WG6031-LCS & WG6031-LCSD
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Phenol	100	100	NA	44	45	44	45	3	30	0-126
Bis(2-Chloroethyl)ether	50	50	NA	49	52	99	104	6	30	56-108
2-Chlorophenol	100	100	NA	91	88	91	88	3	30	42-100
1,3-Dichlorobenzene	50	50	NA	32	36	64	71	10	30	30- 94
1,4-Dichlorobenzene	50	50	NA	33	35	65	71	8	30	33- 94
1,2-Dichlorobenzene	50	50	NA	34	37	67	74	9	30	35- 95
2-Methylphenol	100	100	NA	77	79	77	79	2	30	51- 99
2,2'-Oxybis(1-Chloropropane)	50	50	NA	43	46	86	92	6	30	20-126
4-Methylphenol	100	100	NA	76	79	76	79	4	30	38-108
N-Nitroso-di-n-propylamine	50	50	NA	37	41	75	82	10	30	48-108
Hexachloroethane	50	50	NA	35	36	70	72	3	30	21- 92
Nitrobenzene	50	50	NA	44	47	88	94	6	30	50-102
Isophorone	50	50	NA	37	40	74	79	6	30	21-118
2-Nitrophenol	100	100	NA	83	89	83	89	6	30	5-129
2,4-Dimethylphenol	100	100	NA	80	86	80	86	7	30	50- 98
Bis(2-Chloroethoxy)methane	50	50	NA	42	45	84	89	6	30	51-102
2,4-Dichlorophenol	100	100	NA	76	85	76	85	10	30	37-103
1,2,4-Trichlorobenzene	50	50	NA	36	40	72	80	10	30	30- 98
Naphthalene	50	50	NA	43	47	86	* 94	9	30	43- 90
4-Chloroaniline	50	50	NA	26	31	51	61	18	30	49-107
Hexachlorobutadiene	50	50	NA	37	41	74	81	9	30	19- 96
4-Chloro-3-Methylphenol	100	100	NA	81	89	81	89	9	30	52-117
2-Methylnaphthalene	50	50	NA	39	42	79	84	7	30	46-101
Hexachlorocyclopentadiene	50	50	NA	30	32	59	63	6	30	0- 94
2,4,6-Trichlorophenol	100	100	NA	88	88	88	88	0.3	30	22-124
2,4,5-Trichlorophenol	100	100	NA	88	90	88	90	1	30	32-114
2-Chloronaphthalene	50	50	NA	41	43	82	86	4	30	45-139
2-Nitroaniline	50	50	NA	46	46	91	92	1	30	56-119
Dimethyl Phthalate	50	50	NA	21	21	42	42	0.5	30	0-139
Acenaphthylene	50	50	NA	48	47	96	94	1	30	51- 96
2,6-Dinitrotoluene	50	50	NA	45	46	90	93	3	30	60-113
3-Nitroaniline	50	50	NA	43	44	86	88	1	30	44-151
Acenaphthene	50	50	NA	39	38	77	77	1	30	53- 97
2,4-Dinitrophenol	100	100	NA	66	70	66	70	5	30	34- 98
4-Nitrophenol	100	100	NA	41	42	41	42	2	30	0-107
Dibenzofuran	50	50	NA	43	44	87	87	0.7	30	58-103
2,4-Dinitrotoluene	50	50	NA	42	42	83	83	0.2	30	50-114
Diethylphthalate	50	50	NA	27	28	55	55	1	30	39-1110
4-Chlorophenyl-phenylether	50	50	NA	39	37	78	75	5	30	56-108
Fluorene	50	50	NA	44	44	87	88	0.2	30	56-102
4-Nitroaniline	50	50	NA	37	37	73	74	0.5	30	52-161
4,6-Dinitro-2-Methylphenol	100	100	NA	90	92	90	92	2	30	23-141
N-Nitrosodiphenylamine	100	100	NA	103	99	103	99	4	30	64-123
4-Bromophenyl-phenylether	50	50	NA	50	52	101	103	2	30	55-125
Hexachlorobenzene	50	50	NA	53	54	107	108	1	30	51-117

FORM III SV-1

X4723.D & X4724.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/13/04
Analysis Date: 03/11/04
Report Date: 03/12/2004
Matrix: WATER

Lab ID: WG6031-2 & WG6031-3
Client ID: WG6031-LCS & WG6031-LCSD
SDG: CTO297-4
Extracted by: AB
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8270C
Lab Prep Batch: WG6031
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Pentachlorophenol	100	100	NA	97	99	97	99	2	30	0-155
Phenanthrene	50	50	NA	46	46	92	92	0.4	30	55-112
Anthracene	50	50	NA	48	49	96	98	3	30	57-117
Carbazole	50	50	NA	46	47	92	94	2	30	41-177
Di-n-butylphthalate	50	50	NA	46	46	91	93	2	30	61-121
Fluoranthene	50	50	NA	47	49	95	98	4	30	52-121
Pyrene	50	50	NA	39	41	78	81	4	30	47-119
Butylbenzylphthalate	50	50	NA	34	37	69	74	7	30	49-125
3,3'-Dichlorobenzidine	50	50	NA	42	38	83	77	8	30	3-222
Benzo(a)anthracene	50	50	NA	44	45	87	90	3	30	52-107
Chrysene	50	50	NA	46	46	91	92	0.9	30	53-110
bis(2-Ethylhexyl)phthalate	50	50	NA	41	44	83	89	7	30	49-148
Di-n-octylphthalate	50	50	NA	42	52	85	104	20	30	28-189
Benzo(b)fluoranthene	50	50	NA	46	47	91	93	2	30	39-146
Benzo(k)fluoranthene	50	50	NA	50	52	99	103	4	30	43-120
Benzo(a)pyrene	50	50	NA	44	46	87	91	4	30	45-129
Indeno(1,2,3-cd)pyrene	50	50	NA	33	30	66	61	9	30	50-112
Dibenzo(a,h)anthracene	50	50	NA	33	33	66	65	0.9	30	50-113
Benzo(g,h,i)perylene	50	50	NA	32	28	63	56	12	30	46-111

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

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 50 UG/	02/26/04	0413	18.20	24.41
08	WG5894-BLANK	WG5894-1	02/26/04	0522	18.20	24.40
09	WG5894-LCS	WG5894-2	02/26/04	0632	18.20	24.40
10	WG5894-LCSD	WG5894-3	02/26/04	0743	18.20	24.41
11	G01-MW-01A-0	WU0318-2	02/26/04	0853	18.20	24.41
12	G01-MW-01-02	WU0318-3	02/26/04	1003	18.20	24.41
13	G01-MW-03-02	WU0318-4	02/26/04	1112	18.20	24.40
14	G01-MW-02-02	WU0318-5	02/26/04	1222	18.20	24.40
15	G01-MW-05-02	WU0334-2	02/26/04	1332	18.19	24.40
16	G01-MW-06-02	WU0334-1	02/26/04	1443	18.20	24.40
17	G01-MW-04-02	WU0318-6	02/26/04	1553	18.19	24.40
18	CV	FLPRO 50 UG/	02/26/04	1924	18.19	24.40
19	WG5979-BLANK	WG5979-1	02/26/04	2034	18.19	24.41
20	WG5979-LCS	WG5979-2	02/26/04	2144	18.20	24.40

		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:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

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	G01-MW-11-02	WU0346-1	02/26/04	2253	18.19	24.40
02	KW-DUP-02-02	WU0346-3	02/27/04	0004	18.20	24.41
03	G01-MW-07-02	WU0346-5	02/27/04	0114	18.20	24.41
04	G01-MW-10-02	WU0346-7	02/27/04	0224	18.19	24.40
05	G01-MW-09-02	WU0346-8	02/27/04	0333	18.20	24.41
06	G01-MW-12-02	WU0346-9	02/27/04	0443	18.20	24.41
07	G01-MW-08-02	WU0346-10	02/27/04	0552	18.19	24.41
08	CV	FLPRO 50 UG/	02/27/04	0922	18.19	24.40
09						
10						
11						
12						
13						
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 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5894-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: CUB2038 Lab Sample ID: WG5894-1

Instrument ID: GC12 Date Extracted: 02/06/04

Matrix: (soil/water) WATER Date Analyzed: 02/26/04

Level:(low/med) LOW Time Analyzed: 0522

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	WG5894-LCS	WG5894-2	CUB2039	02/26/04	0632
02	WG5894-LCSD	WG5894-3	CUB2040	02/26/04	0743
03	G01-MW-01A-0204	WU0318-2	CUB2041	02/26/04	0853
04	G01-MW-01-0204	WU0318-3	CUB2042	02/26/04	1003
05	G01-MW-03-0204	WU0318-4	CUB2043	02/26/04	1112
06	G01-MW-02-0204	WU0318-5	CUB2044	02/26/04	1222
07	G01-MW-05-0204	WU0334-2	CUB2045	02/26/04	1332
08	G01-MW-06-0204	WU0334-1	CUB2046	02/26/04	1443
09	G01-MW-04-0204	WU0318-6	CUB2047	02/26/04	1553
10					
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: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/06/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5894-1
Client ID: WG5894-Blank
SDG: CTO297-4
Extracted by: AZ
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5894
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		73%				
	O-Terphenyl		86%				

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG5979-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Lab File ID: CUB2051 Lab Sample ID: WG5979-1

Instrument ID: GC12 Date Extracted: 02/11/04

Matrix: (soil/water) WATER Date Analyzed: 02/26/04

Level:(low/med) LOW Time Analyzed: 2034

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	WG5979-LCS	WG5979-2	CUB2052	02/26/04	2144
02	G01-MW-11-0204	WU0346-1	CUB2053	02/26/04	2253
03	KW-DUP-02-0204	WU0346-3	CUB2054	02/27/04	0004
04	G01-MW-07-0204	WU0346-5	CUB2055	02/27/04	0114
05	G01-MW-10-0204	WU0346-7	CUB2056	02/27/04	0224
06	G01-MW-09-0204	WU0346-8	CUB2057	02/27/04	0333
07	G01-MW-12-0204	WU0346-9	CUB2058	02/27/04	0443
08	G01-MW-08-0204	WU0346-10	CUB2059	02/27/04	0552
09					
10					
11					
12					
13					
14					
15					
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22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO297 NAS KEY WEST
PO No:
Sample Date:
Received Date:
Extraction Date: 02/11/04
Analysis Date: 02/26/04
Report Date: 03/02/2004
Matrix: WATER
% Solids: NA

Lab ID: WG5979-1
Client ID: WG5979-Blank
SDG: CTO297-4
Extracted by: JP
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 M8100
Lab Prep Batch: WG5979
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		104%				
	O-Terphenyl		119%				

FORM 2
WATER FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG5894-BLANK	WG5894-1	73	86							0
02	WG5894-LCS	WG5894-2	71	88							0
03	WG5894-LCSD	WG5894-3	77	93							0
04	G01-MW-01A-0204	WU0318-2	79	93							0
05	G01-MW-01-0204	WU0318-3	70	85							0
06	G01-MW-03-0204	WU0318-4	74	87							0
07	~~G01-MW-02-0204~~	WU0318-5	82	94							0
08	G01-MW-05-0204	WU0334-2	64	72*							1
09	G01-MW-06-0204	WU0334-1	72	79*							1
10	G01-MW-04-0204	WU0318-6	72	81*							1
11	WG5979-BLANK	WG5979-1	104	119							0
12	WG5979-LCS	WG5979-2	76	93							0
13	G01-MW-11-0204	WU0346-1	92	99							0
14	KW-DUP-02-0204	WU0346-3	95	99							0
15	G01-MW-07-0204	WU0346-5	78	82							0
16	G01-MW-10-0204	WU0346-7	90	95							0
17	G01-MW-09-0204	WU0346-8	90	94							0
18	G01-MW-12-0204	WU0346-9	83	86							0
19	G01-MW-08-0204	WU0346-10	98	104							0
20											
21											
22											
23											
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 6
FL-PRO INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project CTO297 NAS KEY WEST SDG No.: CTO297-4

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:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC12 Calibration Date: 02/26/04 Time: 0413

Lab File ID: CUB2037 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	47.154000	50.000000	5429.9000	0.01	-5.69	25.00	LINR
C-8	47.103000	50.000000	5306.5000	0.01	-5.79	25.00	LINR
C-10	47.389000	50.000000	5538.3000	0.01	-5.22	25.00	LINR
C-12	49.453000	50.000000	5664.1000	0.01	-1.09	25.00	LINR
C-14	48.809000	50.000000	5644.4000	0.01	-2.38	25.00	LINR
C-16	47.793000	50.000000	5562.5000	0.01	-4.41	25.00	LINR
C-18	48.056000	50.000000	5582.1000	0.01	-3.89	25.00	LINR
C-28	47.164000	50.000000	5474.0000	0.01	-5.67	25.00	LINR
C-20	47.831000	50.000000	5548.6000	0.01	-4.34	25.00	LINR
C-22	47.338000	50.000000	5502.8000	0.01	-5.32	25.00	LINR
FL-PRO peaks C8-C40	812.03000	850.00000	5510.7000	0.01	-4.47	25.00	LINR
C-26	47.022000	50.000000	5463.3000	0.01	-5.96	25.00	LINR
C-38	48.758000	50.000000	5458.3000	0.01	-2.48	25.00	LINR
C-40	50.142000	50.000000	5589.9000	0.01	0.28	25.00	LINR
C-30	46.918000	50.000000	5464.1000	0.01	-6.16	25.00	LINR
C-32	46.581000	50.000000	5383.6000	0.01	-6.84	25.00	LINR
C-34	46.926000	50.000000	5530.7000	0.01	-6.15	25.00	LINR
C-36	47.595000	50.000000	5539.4000	0.01	-4.81	25.00	LINR
O-Terphenyl	6400.9000	6202.4000	6202.4000	0.01	-3.10	25.00	AVRG
n-Triacontane-D62	5119.6000	4860.4000	4860.4000	0.01	-5.06	25.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC12 Calibration Date: 02/26/04 Time: 1924

Lab File ID: CUB2050 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	48.790000	50.000000	5809.3000	0.01	-2.42	25.00	LINR
C-8	49.052000	50.000000	5531.8000	0.01	-1.90	25.00	LINR
C-10	49.467000	50.000000	5595.0000	0.01	-1.07	25.00	LINR
C-12	50.798000	50.000000	5913.9000	0.01	1.60	25.00	LINR
C-14	49.983000	50.000000	5895.1000	0.01	-0.03	25.00	LINR
C-16	48.902000	50.000000	5915.8000	0.01	-2.20	25.00	LINR
C-18	49.250000	50.000000	5927.7000	0.01	-1.50	25.00	LINR
C-28	48.774000	50.000000	5856.8000	0.01	-2.45	25.00	LINR
C-20	49.036000	50.000000	5886.7000	0.01	-1.93	25.00	LINR
C-22	49.067000	50.000000	5900.2000	0.01	-1.87	25.00	LINR
FL-PRO peaks C8-C40	838.36000	850.00000	5777.4000	0.01	-1.37	25.00	LINR
C-26	48.741000	50.000000	5854.8000	0.01	-2.52	25.00	LINR
C-38	50.176000	50.000000	5558.5000	0.01	0.35	25.00	LINR
C-40	50.513000	50.000000	4903.0000	0.01	1.03	25.00	LINR
C-30	48.947000	50.000000	5893.2000	0.01	-2.11	25.00	LINR
C-32	48.923000	50.000000	5852.5000	0.01	-2.15	25.00	LINR
C-34	48.836000	50.000000	5999.3000	0.01	-2.33	25.00	LINR
C-36	49.105000	50.000000	5921.8000	0.01	-1.79	25.00	LINR
O-Terphenyl	6400.9000	6597.0000	6597.0000	0.01	3.06	25.00	AVRG
n-Triacontane-D62	5119.6000	5212.1000	5212.1000	0.01	1.81	25.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: CTO297 NAS KEY WEST SDG No.: CTO297-4

Instrument ID: GC12 Calibration Date: 02/27/04 Time: 0922

Lab File ID: CUB2062 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	48.885000	50.000000	5630.2000	0.01	-2.23	25.00	LINR
C-8	48.707000	50.000000	5485.9000	0.01	-2.59	25.00	LINR
C-10	49.526000	50.000000	5782.8000	0.01	-0.95	25.00	LINR
C-12	50.229000	50.000000	5754.2000	0.01	0.46	25.00	LINR
C-14	49.978000	50.000000	5779.4000	0.01	-0.04	25.00	LINR
C-16	49.624000	50.000000	5775.5000	0.01	-0.75	25.00	LINR
C-18	49.642000	50.000000	5766.7000	0.01	-0.72	25.00	LINR
C-28	48.819000	50.000000	5666.3000	0.01	-2.36	25.00	LINR
C-20	49.248000	50.000000	5713.2000	0.01	-1.50	25.00	LINR
C-22	49.216000	50.000000	5721.8000	0.01	-1.57	25.00	LINR
FL-PRO peaks C8-C40	839.61000	850.00000	5698.6000	0.01	-1.22	25.00	LINR
C-26	48.786000	50.000000	5668.8000	0.01	-2.43	25.00	LINR
C-38	50.399000	50.000000	5643.7000	0.01	0.80	25.00	LINR
C-40	48.973000	50.000000	5456.9000	0.01	-2.05	25.00	LINR
C-30	48.976000	50.000000	5702.5000	0.01	-2.05	25.00	LINR
C-32	49.052000	50.000000	5669.0000	0.01	-1.90	25.00	LINR
C-34	49.981000	50.000000	5890.6000	0.01	-0.04	25.00	LINR
C-36	49.566000	50.000000	5768.2000	0.01	-0.87	25.00	LINR
O-Terphenyl	6400.9000	6434.6000	6434.6000	0.01	0.53	25.00	AVRG
n-Triacontane-D62	5119.6000	5046.4000	5046.4000	0.01	-1.43	25.00	AVRG

FORM VII PEST

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Mod. RSK-175

INVENTORY SHEET

Work Order #: 0402100

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b. Target Compound Raw Data		
-Internal Standard Area and Retenetion Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	2/25/04
(Signature)	(Print Name & Title)	(Date)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0402100

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 #**	WU0318 Keywest
DATE RECEIVED:	2/6/2004	**CONTACT:**	Betty Chu
DATE COMPLETED:	2/17/2004		

FRACTION #	NAME	TEST
01A	G01-MW-01A-0204	Mod. RSK-175
01AA	G01-MW-01A-0204 Duplicate	Mod. RSK-175
02A	G01-MW-01-0204	Mod. RSK-175
03A	G01-MW-03-0204	Mod. RSK-175
04A	G01-MW-02-0204	Mod. RSK-175
05A	G01-MW-04-0204	Mod. RSK-175
06A	Lab Blank	Mod. RSK-175
07A	LCS	Mod. RSK-175

CERTIFIED BY: Linda J. Freeman DATE: 02/17/04

Laboratory Director

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: 07/01/03, Expiration date: 06/30/04
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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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# 0402100

Five VOA Vial-40 mL samples were received on February 06, 2004. The laboratory performed analysis via Modified RSK 175 for Methane, Ethane and Ethene 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 G01-MW-01A-0204, G01-MW-03-0204 and G01-MW-04-0204 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 Login email.

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-01A-0204	0402100-01A	2/ 4/2004	2/ 6/2004	NA	6	2/10/2004	NA	Good
G01-MW-01A-0204 Dupl	0402100-01AA	2/ 4/2004	2/ 6/2004	NA	6	2/10/2004	NA	Good
G01-MW-01-0204	0402100-02A	2/ 4/2004	2/ 6/2004	NA	6	2/10/2004	NA	Good
G01-MW-03-0204	0402100-03A	2/ 4/2004	2/ 6/2004	NA	6	2/10/2004	NA	Good
G01-MW-02-0204	0402100-04A	2/ 4/2004	2/ 6/2004	NA	6	2/10/2004	NA	Good
G01-MW-04-0204	0402100-05A	2/ 4/2004	2/ 6/2004	NA	6	2/10/2004	NA	Good
Lab Blank	0402100-06A	NA	NA	NA	NA	2/10/2004	NA	Good
LCS	0402100-07A	NA	NA	NA	NA	2/10/2004	NA	Good

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0402100-06A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7021003	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/10/04 10:01 AM

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

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Lab File ID: 7021001.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gc7.i/10Feb2004.b/38100411m5a.m

Injection Date: 10-FEB-2004 08:18
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	20942291	0.100	-8.34281	30.00000	Averaged
2 Ethylene	19981673	22304284	0.010	-11.62371	30.00000	Averaged
3 Ethane	19495021	21145850	0.010	-8.46795	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0402100-07A

MODIFIED METHOD RSK-175 GC/FID

File Name:	7021002	Date of Collection:	NA
Dil Factor:	1.00	Date of Analysis:	2/10/04 08:40 AM

Compound	%Recovery
Methane	105
Ethane	107
Ethene	109

Container Type: NA - Not Applicable

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: Katahdin Laboratory
ATTENTION: Ms. Andrea Colby
FAX #: 207-775-4029
FROM: Sample Receiving
Workorder #: 0402100
# of pages (Including Cover): 1

2/25/2004

Thank you for selecting Air Toxics Ltd. We have received your samples and have found discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Betty Chu at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

This account is currently on financial hold. Please contact our Accounts Receivables department to make payment arrangements.

The following discrepancies have been observed:

Water sample G01-MW-01A-0204, G01-MW-03-0204, and G01-MW-04-0204 were received with a significant amount of headspace (the diameter of the bubble was greater than 5mm). ATL will proceed with the analysis unless otherwise notified.

Your prompt response is appreciated.

Katahdin
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

0402100

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

0402100

Page ___ of ___

Client: Katahdin
Contact: Andrew Colby
Phone #: ( )
Fax #: ( )
Address: As Above
City:
State:
Zip Code:
Purchase Order #:
Proj. Name / No.: WW0318 - Key West
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign):
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER:
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C: ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

CUSTODY SEAL INTACT? (Y) N NONE TEMP 3.2°C

ANALYSIS AND CONTAINER TYPE / PRESERVATIVES

#	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
					Methanol Kit									
01A	G01-MW-01-020404	2/4/04 1015	Aq	2	X									
02A	G01-MW-02-020404	2/4/04 1210	Aq	2	X									
03A	G01-MW-03-020404	2/4/04 1005	Aq	2	X									
04A	G01-MW-04-020404	2/4/04 1510	Aq	2	X									
05A	G01-MW-05-020404	2/4/04 1515	Aq	2	X									

COMMENTS
QC-IV NFBS SDG# C0422 4 Beam DD/MM/YYYY-QC-TXT

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	2/4/04 1615				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
				2/6/04 1015	[signature]

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

AK

RAS 03R31

Sample Discrepancy Report

If Section III or IV is filled out, Client Services or Team leader must receive form within 24 hrs of initiation

Initiated By: CA Date: 2/6/04 Given To: _____

Sections I - IV must be filled out by person initiating this Sample Discrepancy Report.

Team Leader: _____ Date: _____ Given To: _____

Verify Sections I and IV were filled out correctly and completely. Forward form to Client Services or file to folder.

Client Service: _____ Date: _____ Given To: _____

Section V must be filled out by Client Serv. Personnel only and form returned to Workorder Folder.

I. Work order(s) affected: 0402100

Sample(s) affected: all

II. Login Discrepancies ***(Document in Login FAX/E-mail and Lab Narrative)***

- [ ] Chain of Custody Record (COC) improperly relinquished.
- [ ] COC was not filled out in ink.
- [ ] Number of samples on the COC does not match the number of samples that were received.
- [ ] Sampling date / time is not documented for some samples.
- [ ] Sample tags/labels do not match the COC.
- [ ] Samples received at wrong temperature, however coolant was present.
- [ ] Canister sample received at >15"Hg (not identified as a Trip/Field Blank).
- [ ] Sample container (Tube/VOA vial) was received broken, however, sample was intact.
- [ ] No brass cap on canister.
- [ ] Custody Seal on the outside of the container was broken.
- [ ] Flow controller used - canister samples received at ambient pressure.
- [x] Other (describe below)

Describe the Discrepancy: 02A = 5mm
04A = 5mm

Initials: CA **Date:** 2/6/04

III. Login Discrepancies requiring Client Services notification ***(document in Login Fax/E-mail and Lab Narrative)***

- [ ] Chain of Custody Record (COC) was not received with sample(s).
- [ ] Analysis method(s) is not specified on the COC.
- [ ] Sample(s) received out of Holding Time.
- [ ] Sampling date / time is not documented for any samples.
- [ ] Samples received at wrong temperature, no coolant present (or coolant melted).
- [ ] Sample container (Tube/VOA vial/DNPH Bottle, etc.) was received broken or leaking.
- [x] Container for VOA analysis received with headspace.
- [ ] Samples for RSK-175 CO_2 analysis received preserved with HCL.
- [ ] Tedlar Bag received leaking/flat.
- [ ] Canister received with a leaky valve, or found to be leaking at the time of pressurization.
- [ ] Tedlar bag / canister received emitting a strong odor (sample cannot be analyzed).
- [ ] Initial laboratory Vac./Press. does not match final field pressure (> 5 psi/"Hg difference).
- [ ] Trip Blank received with low vacuum (< 25 "Hg).
- [ ] Tedlar Bag for Sulfur analysis has metal fitting.
- [ ] Incorrect sampling media/container for analysis requested.
- [ ] Other (describe below)

Describe the Discrepancy: 01A: 8mm
03A: 6mm
05A: 6mm

Initials: CA **Date:** 2/6/04

(Section V must be filled out by Client Services)

Compound Listing

Mod. RSK-175 (Methane, Ethane & Ethene)

CAS Number	Compound	Detection Limit uG/mL
74-82-8	Methane	0.010
74-84-0	Ethane	0.010
74-85-1	Ethene	0.010

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0402100

A_1	A_2	T	Q	
	☑	☐	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
NA	NA	☐	☐	Corrective Action issued - #
☑	☑	☐	☐	Unusual circumstances have been documented in the Notes section below
☑	☑		☐	Client Sample IDs are correct (checked COC against Login page)
☑	☑	☐	☐	Analysis verified against Analysis requested on COC
☑	☑	☐	☐	Analysis vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
☑	☑	☐	☐	Lab Blank, CCV, LCS/D, Dup. (%RPD) met QC criteria
NA	NA	☐	☐	Short-list QC criteria met, 50/150% rule met for TO-14 analyses, etc.
☑	☑	☐	☐	Hold Time is met for all samples
	NA	☐	☐	Appropriate data qualifier Flags are applied
NA	NA	☐	☐	12 Hour Clock verification (if required by the project)
	NA	☐	☐	Checked samples for trends (i.e. Influent>Effluent, etc)
☑	☑	☐	☐	Correct amount of sample analyzed (i.e. sample not over-diluted)
☑	☑	☐	☐	Samples pressurized w/ appropriate gas (N_2 or He)
☑	☑	☐	☐	Final Pressure consistent with Canister size (6L vs. 1L)
NA	☑	☐	☐	Dilution Factor correctly calculated (based on sample vol. loaded/final pressure)
☐	☑	☐	☐	Peak area integration correct
☐	☑	☐	☐	Retention Times have been verified
☐	NA	☐	☐	Spectra verified - Documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	☐	☐	System peaks verified (if applicable)
	NA	☐	☐	TICs resemble reference spectra/are consistently identified between duplicate samples
	NA	☐	☐	TPH/NMOC manual calculations verified
☑	☑	☐	☐	Appropriate ICAL(s) included (Calibration History, Run Log(s), etc)
			☐	BFB/DFTPP Tune, CCV, LCS, SS, and Sample Result Calculation checked
			☐	Manually calculated/manually entered results checked
			☐	The final report has the correct Reporting List, units, and header info.
			☐	Special units for all samples in the final report are correctly calculated
			☐	CVP package/Client Specific Deliverable is complete and correct

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

A_1/A_2: All QC met
Dup on 01A, RPD within limits.

T/Q:

A_1 (Analytical Review/Date)	A_2 (Analytical Review/Date)	T (Technical Review/Date)	Q (QA Review/Date)
[illegible] 2/10/04	[illegible] 2/17/04		

Note:Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Revision Date: 02/05/03

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Mod SW-846 Method 3810

INVENTORY SHEET

Work Order #: 0402144

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b. Target Compound Raw Data		
-Internal Standard Area and Retenetion Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	2/26/04
(Signature)	(Print Name & Title)	(Date)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0402144

Work Order Summary

CLIENT:	Mr. Rob Thomas Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092	**BILL TO:**	Mr. Rob Thomas Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092
PHONE:	207-874-2400	**P.O. #**	
FAX:	207-775-4029	**PROJECT #**	WU0334
DATE RECEIVED:	2/10/2004	**CONTACT:**	Betty Chu
DATE COMPLETED:	2/18/2004		

FRACTION #	NAME	TEST
01A	G01-MW-06-0204	Mod SW-846 Method 3810
02A	G01-MW-05-0204	Mod SW-846 Method 3810
02AA	G01-MW-05-0204 Duplicate	Mod SW-846 Method 3810
03A	Lab Blank	Mod SW-846 Method 3810
04A	LCS	Mod SW-846 Method 3810
05A	LCSD	Mod SW-846 Method 3810

CERTIFIED BY: Linda J. Freeman

Laboratory Director

DATE: 02/18/04

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: 07/01/03, Expiration date: 06/30/04
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
Mod SW-846 Method 3810
Katahdin Laboratory
Workorder# 0402144

Two VOA Vial-40 mL samples were received on February 10, 2004. The laboratory performed analysis via Modified SW-846 Method 3810 for Methane, Ethane, Ethene using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Sampler equipped with oven, shaker and 1 mL sample loop. Sample is baked and 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.

Receiving Notes

There were no receiving discrepancies.

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-06-0204	0402144-01A	2/ 5/2004	2/10/2004	NA	6	2/11/2004	NA	Good
G01-MW-05-0204	0402144-02A	2/ 5/2004	2/10/2004	NA	6	2/11/2004	NA	Good
G01-MW-05-0204 Dupli	0402144-02AA	2/ 5/2004	2/10/2004	NA	6	2/11/2004	NA	Good
Lab Blank	0402144-03A	NA	NA	NA	NA	2/11/2004	NA	Good
LCS	0402144-04A	NA	NA	NA	NA	2/11/2004	NA	Good
LCSD	0402144-05A	NA	NA	NA	NA	2/11/2004	NA	Good

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0402144-03A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7021108	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/11/04 08:45 AM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	Not Detected
Ethane	10	Not Detected
Ethene	10	Not Detected

Container Type: NA - Not Applicable

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 7021115.d & 7021114.d

Lab Sample ID: 02A & 02AA

Dilution: 1.00 & 1.00

Client Sample ID: G01-MW05-0204 & G01-MW05-0204 DUP

Date Analyzed: 2/11/04 & 2/11/04

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
74-82-8	Methane	4.44		4.705		5.8
74-84-0	Ethane	ND	U	ND	U	0
74-85-1	Ethene	ND	U	ND	U	0

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: 7021106.d & 7021107.d

Lab Sample ID: &

Dilution: 1.00 & 1.00

Client Sample ID: LCSD & LCS

Date Analyzed: 2/11/04 & 2/11/04

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
74-82-8	Methane	112		100		11
74-84-0	Ethane	112		103		8.4
74-85-1	Ethene	115		105		9.1

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/11Feb2004.b/7021105.d
Report Date: 11-Feb-2004 08:30

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Lab File ID: 7021105.d
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/11Feb2004.b/38100411m5a.m

Injection Date: 11-FEB-2004 07:42
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	20861218	0.100	-7.92339	30.00000	Averaged
2 Ethylene	19981673	22281779	0.010	-11.51108	30.00000	Averaged
3 Ethane	19495021	21115980	0.010	-8.31474	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0402144-04A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	702-1106	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/11/04 08:03 AM

Compound	%Recovery
Methane	112
Ethane	112
Ethene	115

Container Type: NA - Not Applicable

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0402144-05A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	702107	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/11/04 08:24 AM

Compound	%Recovery
Methane	100
Ethane	103
Ethene	105

Container Type: NA - Not Applicable

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Mod SW-846 Method 3810

INVENTORY SHEET

Work Order #: 0402145

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b. Target Compound Raw Data		
-Internal Standard Area and Retenetion Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
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Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	2/26/04
(Signature)	(Print Name & Title)	(Date)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0402145

Work Order Summary

CLIENT:	Mr. Rob Thomas Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092	**BILL TO:**	Mr. Rob Thomas Katahdin Laboratory 340 County Road, #5 West Brook, ME 04092
PHONE:	207-874-2400	**P.O. #**	
FAX:	207-775-4029	**PROJECT #**	WU0346
DATE RECEIVED:	2/10/2004	**CONTACT:**	Betty Chu
DATE COMPLETED:	2/18/2004		

FRACTION #	NAME	TEST
01A	G01-MW-11-0204	Mod SW-846 Method 3810
02A	KW-Dup-02-0204	Mod SW-846 Method 3810
03A	G01-MW-07-0204	Mod SW-846 Method 3810
04A	G01-MW-10-0204	Mod SW-846 Method 3810
05A	G01-MW-09-0204	Mod SW-846 Method 3810
06A	G01-MW-12-0204	Mod SW-846 Method 3810
07A	G01-MW-08-0204	Mod SW-846 Method 3810
08A	Lab Blank	Mod SW-846 Method 3810
09A	LCS	Mod SW-846 Method 3810
10A	LCSD	Mod SW-846 Method 3810

CERTIFIED BY: Linda S. Freeman DATE: 02/18/04

Laboratory Director

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: 07/01/03, Expiration date: 06/30/04
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Mod SW-846 Method 3810
Katahdin Laboratory
Workorder# 0402145

Seven VOA Vial-40 mL samples were received on February 10, 2004. The laboratory performed analysis via Modified SW-846 Method 3810 for Methane, Ethane, Ethene using GC/FID. The method involves placing an aliquot of the sample in a headspace vial. The vial is then placed into HP7694 Headspace Sampler equipped with oven, shaker and 1 mL sample loop. Sample is baked and 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.

Receiving Notes

Water samples G01-MW-07-0204 and G01-MW-10-0204 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 Login email.

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-11-0204	0402145-01A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
KW-Dup-02-0204	0402145-02A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
G01-MW-07-0204	0402145-03A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
G01-MW-10-0204	0402145-04A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
G01-MW-09-0204	0402145-05A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
G01-MW-12-0204	0402145-06A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
G01-MW-08-0204	0402145-07A	2/ 6/2004	2/10/2004	NA	5	2/11/2004	NA	Good
Lab Blank	0402145-08A	NA	NA	NA	NA	2/11/2004	NA	Good
LCS	0402145-09A	NA	NA	NA	NA	2/11/2004	NA	Good
LCSD	0402145-10A	NA	NA	NA	NA	2/11/2004	NA	Good

AIR TOXICS LTD.

SAMPLE NAME: Lab Blank

ID#: 0402145-08A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	02-108	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/11/04 08:45 AM

Compound	Rpt. Limit (uG/L)	Amount (uG/L)
Methane	10	Not Detected
Ethane	10	Not Detected
Ethene	10	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/11Feb2004.b/7021105.d
Report Date: 11-Feb-2004 08:30

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc7.i
Lab File ID: 7021105.d
Analysis Type: AIR
Lab Sample ID:
Method: /chem/gc7.i/11Feb2004.b/38100411m5a.m

Injection Date: 11-FEB-2004 07:42
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	20861218	0.100	-7.92339	30.00000	Averaged
2 Ethylene	19981673	22281779	0.010	-11.51108	30.00000	Averaged
3 Ethane	19495021	21115980	0.010	-8.31474	30.00000	Averaged

AIR TOXICS LTD.

SAMPLE NAME: LCS

ID#: 0402145-09A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7021106	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/11/04 08:03 AM

Compound	%Recovery
Methane	112
Ethane	112
Ethene	115

Container Type: NA - Not Applicable

AIR TOXICS LTD.

SAMPLE NAME: LCSD

ID#: 0402145-10A

MODIFIED SW-846 METHOD 3810 GC/FID

File Name:	7021107	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	2/11/04 08:24 AM

Compound	%Recovery
Methane	100
Ethane	103
Ethene	105

Container Type: NA - Not Applicable

Field Duplicates - 2974

	Sample		Duplicate		RPD %	Difference
	G01-MW-11-0204		KW-DUP-02-0204			
	UG/L		UG/L			
1,1-dichloroethane	1.0	J	1.0		0.0	0
benzene	1.0		1.0		0.0	0
cis-1,2-dichloroethene	0.4	J	0.4	J	0.0	0
ethylbenzene	8		8		0.0	0
1-methylnaphthene	41		51		21.7	10
2-methylnapthene	44		58		27.5	14
acenaphthene	3.4	J	3.4	J	0.0	0
fluorene	4.3		4		7.2	0
naphthalene	18		22		20.0	4
phenanthrene	3.6	J	4.8	J	28.6	1
methane	4800		5500		13.6	700
TPH	1800		1700		5.7	100