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# MONITORED NATURAL ATTENUATION EFFECTIVENESS PROGRESS REPORT
# SWMU 2 — SOUTHSIDE LANDFILL

## NAVAL SUPPORT ACTIVITY MID-SOUTH
## MILLINGTON, TENNESSEE

**Revision: 1**

**Prepared for:**

NAVFAC
Naval Facilities Engineering Command
NAVFAC SOUTHEAST

**Department of the Navy**
**Southeastern Division**
**Naval Facilities Engineering Command**
**North Charleston, South Carolina**

**Submitted by:**

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**July 2, 2008**

Spectra Tech Inc.
Engineering & Environmental Services

July 2, 2008

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NAVFAC MIDWEST
201 Decatur Avenue, Building 1A
Great Lakes, Illinois 60088-2801

Subject: NSA Mid-South, SWMU 2, Millington, Tennessee

Document Transmittal — 2008 Interim Measures Progress Report - SWMU 2 – *NSA Mid-South; Revision 1, July 1, 2008*

Dear Sir:

This letter is provided to document submittal of the *2008 Interim Measures Progress Report – SWMU 2 – NSA Mid-South; Revision 1, July 1, 2008.* If you have any questions or need any additional information, please do not hesitate to contact me.

Sincerely,

Paul H. Gentry

Paul Gentry
Project Manager

Enclosure – 1 copy

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**July 2, 2008**

## Table of Contents


1.0 INTRODUCTION ..... 1-1

2.0 SUMMARY OF FIELD ACTIVITIES ..... 2-1
2.1 Semi-Annual Groundwater Sampling ..... 2-1

3.0 RESULTS AND ANALYSIS ..... 3-1
3.1 Groundwater Results ..... 3-1
3.2 Surface-Water Results ..... 3-2

4.0 CONCLUSIONS AND RECOMMENDATIONS ..... 4-1

5.0 REFERENCES ..... 5-1


## List of Figures


Figure 1-1 USGS Topographic Map SWMU 2 — Southside Landfill ..... 1-2
Figure 1-2 November 2007 TCE Concentration Map SWMU 2 — Southside Landfill ..... 1-3
Figure 2-1 Monitoring Well and Surface-Water Sample Locations SWMU 2 — Southside Landfill ..... 2-2
Figure 2-2 May 2007 Deep Alluvium Potentiometric Map SWMU 2 — Southside Landfill ..... 2-3
Figure 2-3 November 2007 Deep Alluvium Potentiometric Map SWMU 2 — Southside Landfill ..... 2-4
Figure 3-1 SWMU 2 — MW 002G02DA ..... 3-3
Figure 3-2 SWMU 2 — MW 002G03DA ..... 3-4
Figure 3-3 SWMU 2 — MW 002G24DA ..... 3-5
Figure 3-4 SWMU 2 — MW 002G25DA ..... 3-6
Figure 3-5 SWMU 2 — MW 002G28DA ..... 3-7


## List of Tables


Table 2-1 Monitored Natural Attenuation Annual Sampling Parameters/Analytes ..... 2-1


## List of Appendices


Appendix A Analytical Results
Appendix B VOC and Geochemical Results

## List of Acronyms

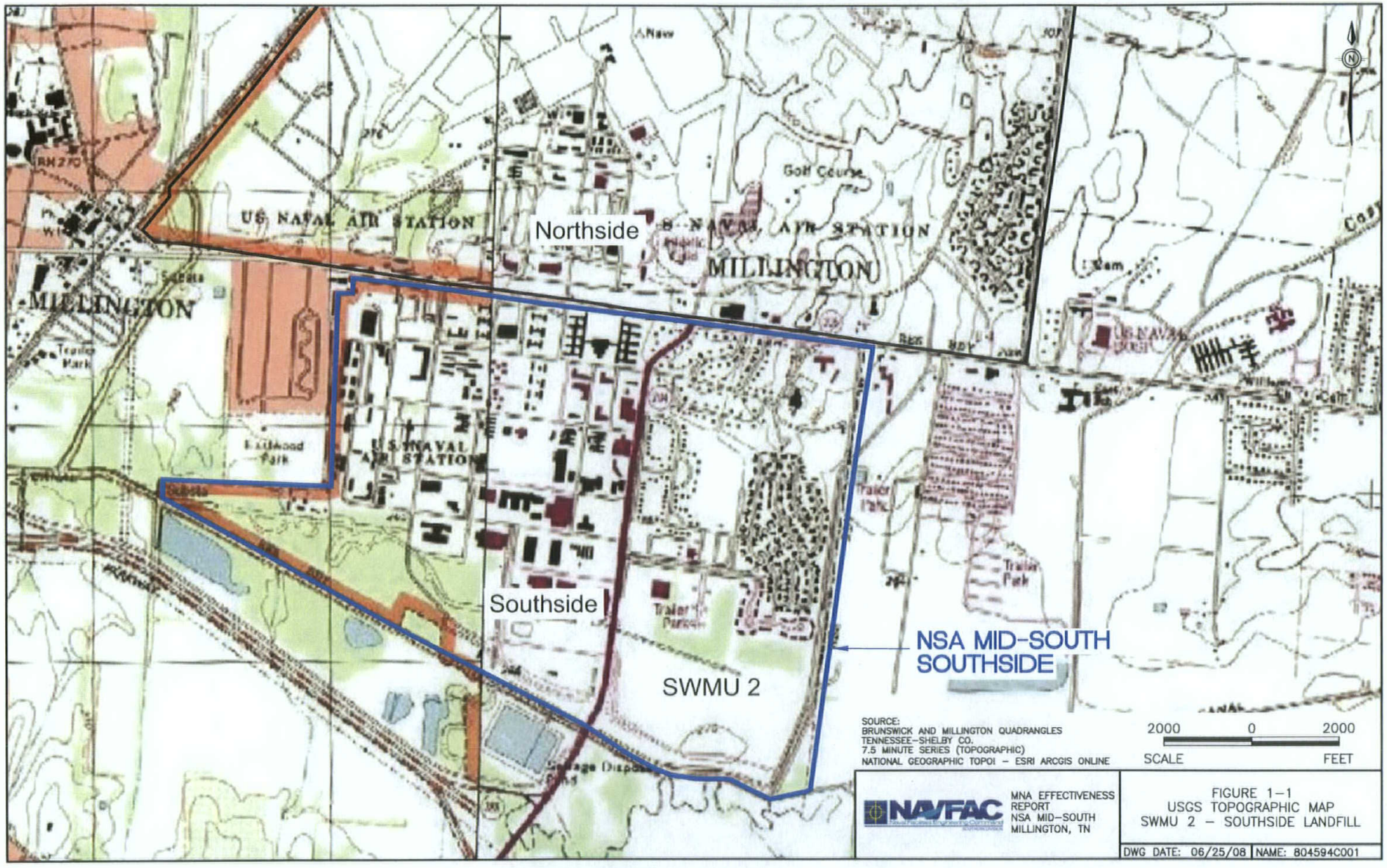
| | |
|---|---|
| 1,2-DCE | 1,2-dichloroethylene |
| CMS | Corrective Measures Study |
| DO | dissolved oxygen |
| mg/L | milligram per liter |
| MNA | monitored natural attenuation |
| nM | nanoMolar |
| NSA | Naval Support Activity |
| ORP | oxidation-reduction potential |
| PCE | tetrachloroethylene |
| SWMU | Solid Waste Management Unit |
| TOC | Total Organic Carbon |
| VC | vinyl chloride |
| VOC | volatile organic compound |
| µg/L | microgram per liter |

## 1.0 INTRODUCTION

This progress report is intended to provide an update on the activities outlined in the *Monitored Natural Attenuation Work Plan* (EnSafe, June 2005) for Solid Waste Management Unit (SWMU) 2, also known as the Southside Landfill, located on the Southside of Naval Support Activity (NSA) Mid-South. Figure 1-1 shows the site relative to the Base boundaries. The SWMU 2 Corrective Measures Study (CMS) Report (EnSafe, February 2004) recommended monitored natural attenuation (MNA) as the site remedy to address the trichloroethylene (TCE) contamination in the deep alluvial groundwater near the southeast corner of the landfill. This report includes data from the May and November 2007 sampling events. Figure 1-2 shows the TCE concentrations detected during the November 2007 semi-annual sampling event.

In light of the difficulty associated with identifying and treating a landfill source area, MNA was considered the best remedial option for what initially appeared to be a limited amount of contaminant mass originating from the landfill. However, recent increases in TCE concentrations in select wells led to the re-evaluation of MNA and whether it is an appropriate site remedy. Given the overall lack of discernable decreasing contaminant trends, the Base Cleanup Team (BCT) recommended that a site-specific alternative concentration limit (ACL) be developed for TCE concentration that is protective of the potential ecological receptors for the adjacent Big Creek drainage canal — the surface water body receiving SWMU 2 groundwater. An *ACL Technical Memorandum* was submitted in June 2008 for regulatory review and approval. Upon approval, groundwater and surface-water monitoring will continue on a semi-annual basis; however, the MNA parameter monitoring will be discontinued and volatile organic compounds (VOCs) detected in subsequent samples will be compared to the site-specific ACL benchmarks.

A summary of field activities is presented in Section 2 of this report. Results of the May and November 2007 sampling events are presented and analyzed in Section 3 of this report. All figures referenced herein are presented at the end of their corresponding section.


Northside
Southside
SWMU 2
NSA MID-SOUTH
SOUTHSIDE
US NAVAL AIR STATION
MILLINGTON
Golf Course
Trailer Park
SOURCE:
BRUNSWICK AND MILLINGTON QUADRANGLES
TENNESSEE-SHELBY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
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SCALE FEET
NAVFAC
MNA EFFECTIVENESS REPORT
NSA MID-SOUTH
MILLINGTON, TN
FIGURE 1-1
USGS TOPOGRAPHIC MAP
SWMU 2 - SOUTHSIDE LANDFILL
DWG DATE: 06/25/08
NAME: 804594C001

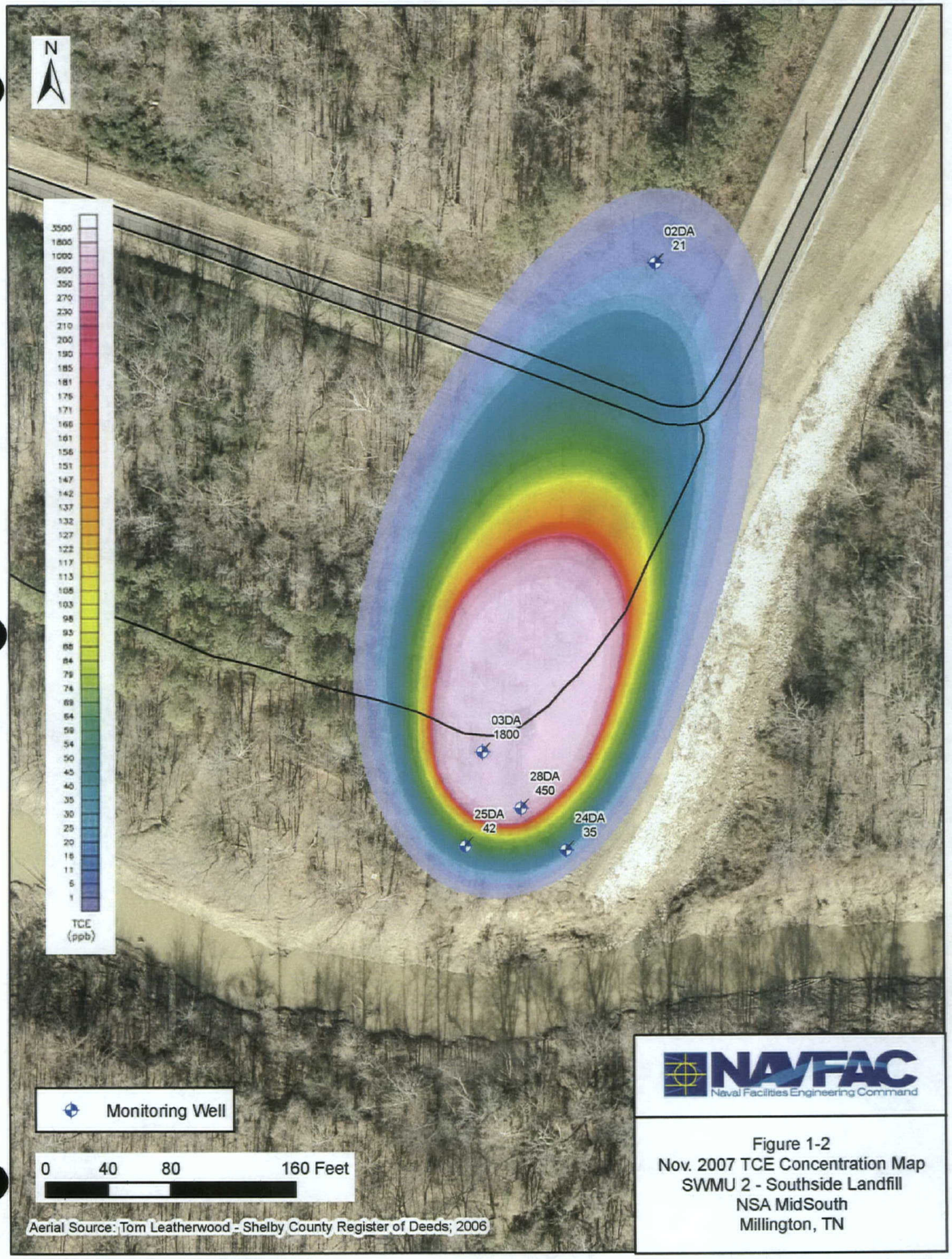


Figure 1-2
Nov. 2007 TCE Concentration Map
SWMU 2 - Southside Landfill
NSA MidSouth
Millington, TN

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# 2.0 SUMMARY OF FIELD ACTIVITIES

## 2.1 Semi-Annual Groundwater Sampling

Groundwater samples are being collected and analyzed on a semi-annual basis from six monitoring wells (002G02DA, 002G03DA, 002G24DA, 002G25DA, 002G26DA, and 002G28DA; Figure 2-1) within the southeast corner of SWMU 2 to monitor natural attenuation effectiveness. Surface-water samples also are collected annually from Big Creek Drainage Canal at three locations directly downgradient of the southeast corner of SWMU 2 (one directly downgradient of monitoring well 002G24DA, one upstream, and one downstream as shown in Figure 2-1). All surface-water samples are analyzed for VOCs only, while groundwater samples are analyzed for VOCs in addition to the field parameters/analytes listed in Table 2-1. The field parameters are measured using standard field meters, instruments, and test kits that are calibrated in accordance with manufacturer's instructions.

Water levels are measured in the six selected monitoring wells in the southeast corner of SWMU 2 before sampling occurs. Groundwater elevations from these monitoring wells were calculated from the measurements and used to generate the computer-contoured potentiometric maps for the May and November 2007 sampling events (Figure 2-2 and 2-3). Historically, groundwater elevation data indicated flow to the southeast, then towards Big Creek Drainage Canal. However, the May 2007 elevation data set indicates a potentiometric high between the landfill and the drainage canal while the November 2007 data set indicates a reversal in the historic groundwater flow direction, suggesting potential recharge to the deep alluvium from Big Creek Drainage Canal (Figure 2-3). Trend graphs presented in Figure 3 indicate historic low water levels during the November 2007 sampling event, supporting data indicates Big Creek Drainage Canal may have been a losing stream and recharging the alluvial aquifer during this time period.

**Table 2-1**
**Monitored Natural Attenuation Annual Sampling Parameters/Analytes**

| Parameters/Analytes | Laboratory or Field Method |
|---|---|
| VOCs | SW8260B |
| Total Organic Carbon (TOC) | SW9060 |
| hydrogen, methane, ethane, and ethene | 8015MOD (bubble-strip method) |
| dissolved oxygen (DO) | field — YSI 55 or 95 DO meter |
| oxidation-reduction potential (ORP) | field — Orion 250A ORP meter |
| pH, temperature, and conductivity | field — Horiba U-22 |
| alkalinity, carbon dioxide, and chloride | field — individual Hach kits |
| ferrous iron, sulfate, and sulfide | field — spectrophotometer |

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Figure 2-1
Monitoring Well and Surface-Water Sample Locations
SWMU 2 - Southside Landfill
NSA MidSouth
Millington, TN

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Figure 2-2
May 2007 Deep Alluvium
Potentiometric Map
SWMU 2 - Southside Landfill
NSA MidSouth
Millington, TN

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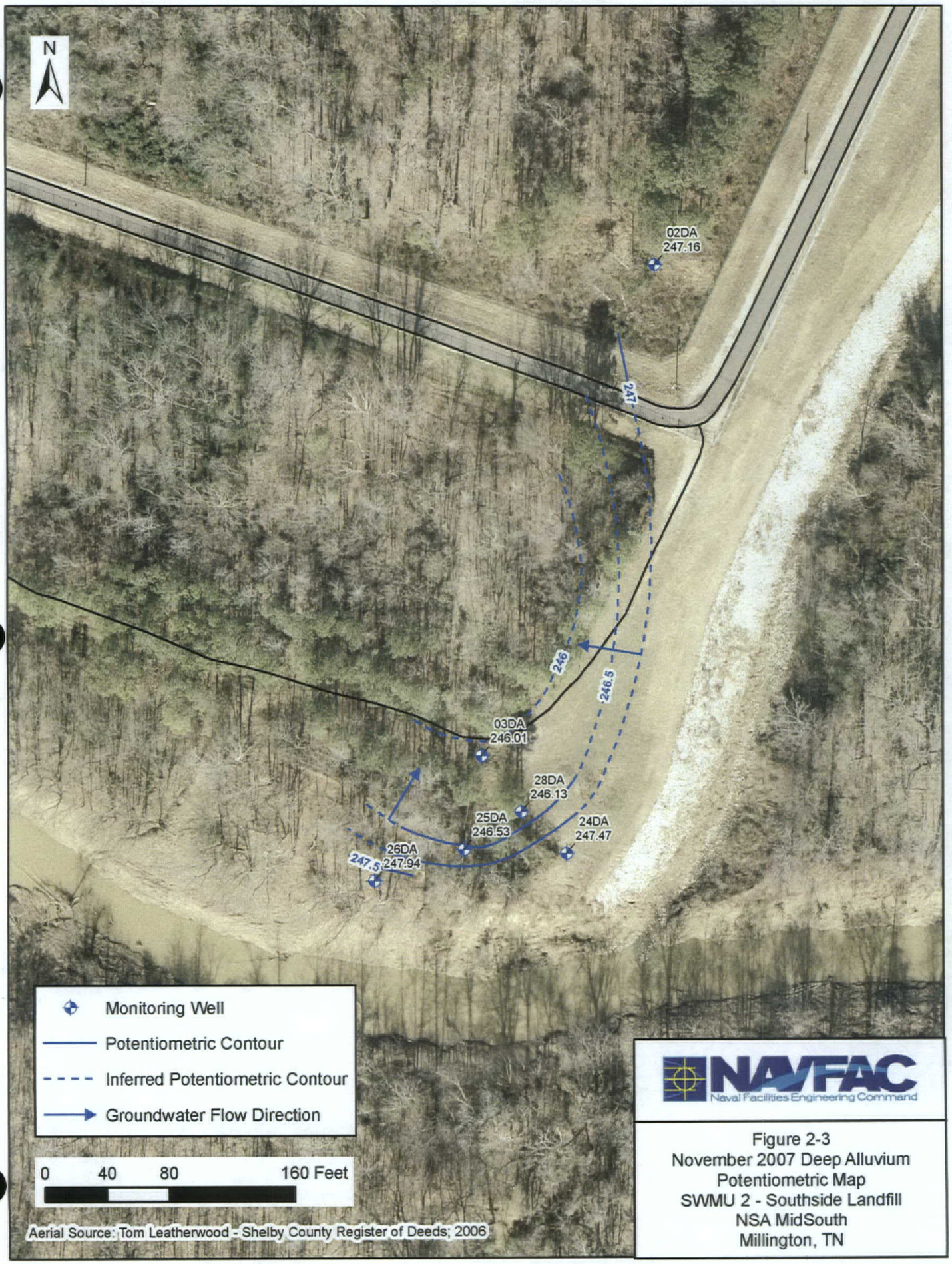



Figure 2-3
November 2007 Deep Alluvium
Potentiometric Map
SWMU 2 - Southside Landfill
NSA MidSouth
Millington, TN

6/25/2008 D:\projects\NsaMidSouth\arcgis_projects\swmu2.mxd

# 3.0 RESULTS AND ANALYSIS

## 3.1 Groundwater Results

Trend graphs for 002G02DA, 002G03DA, 002G24DA, 002G25DA, and 002G28DA have been prepared for both VOCs (TCE, cis-1,2-dichloroethylene [DCE], and vinyl chloride [VC]) and select geochemical data for both sampling events and are presented in Figures 3-1 through 3-5. Complete analytical results from the May and November 2007 sampling events are presented in Appendix A. Summary tables of historical geochemical and VOC data are summarized in Appendix B. These data were used to estimate the potential for natural biodegradation and evaluate the effectiveness of MNA at SWMU 2.

TCE concentrations quantified during May 2007 in wells 002G03DA and 002G28DA (2,100 µg/L and 540 µg/L, respectively) were the highest observed since semi-annual monitoring began in 2001. DCE concentrations were similarly elevated in wells 002G03DA and 002G24DA (2,500 µg/L and 1,100 µg/L, respectively). November 2007 data indicate a general decrease in concentration for both contaminants.

- While TCE concentrations have increased by a factor of 5 to 10 since 2001, the molar proportions of TCE:DCE:VC have remained the same in 002G03DA and 002G28DA (approximately 25%:70%:5%). In well 002G24DA, the proportion of DCE has increased from 69% to more than 90%, with corresponding decreases in TCE. These data suggest an ongoing, baseline level of MNA is occurring and that accelerated release rates from the landfill may result in the apparent higher rates of observed conversion.

- Very little VC generation has occurred, with consistent proportions of VC in each well since the monitoring program began. These data suggest little or no conversion of DCE to VC is occurring in these wells, or that aerobic mechanisms are converting DCE directly to ethene.

- Geochemical data suggest that conditions within the aquifer are variable:

  — ORP measurements suggest anaerobic conditions, generally ranging from 0 to - 250 millivolts. DO measurements generally correlate, with readings less than 1 milligram per liter (mg/L)

  — Ferrous iron is quantified at concentrations typically greater than 1 mg/L, confirming that aquifer conditions are at least mildly anaerobic

- Hydrogen data suggest aquifer conditions are in the sulfate-reducing range in 002G02DA, 002G24DA, 002G25DA, and 002G28DA. Hydrogen concentrations suggest methanogenic conditions in 002G03DA.

- Methane concentrations have increased to approximately 2 mg/L in 002G03DA, but have decreased to less than 1 mg/L in other wells, correlating well with hydrogen data.

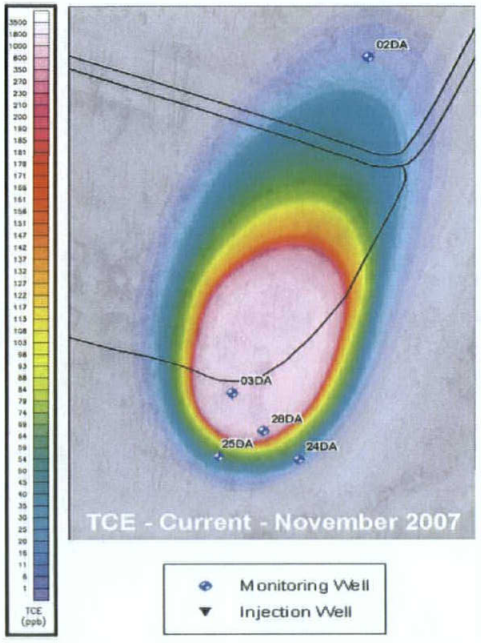
- Chloride concentrations have more than doubled in all SWMU 2 wells since monitoring began in 2001, supporting the hypothesis that dechlorination is occurring.

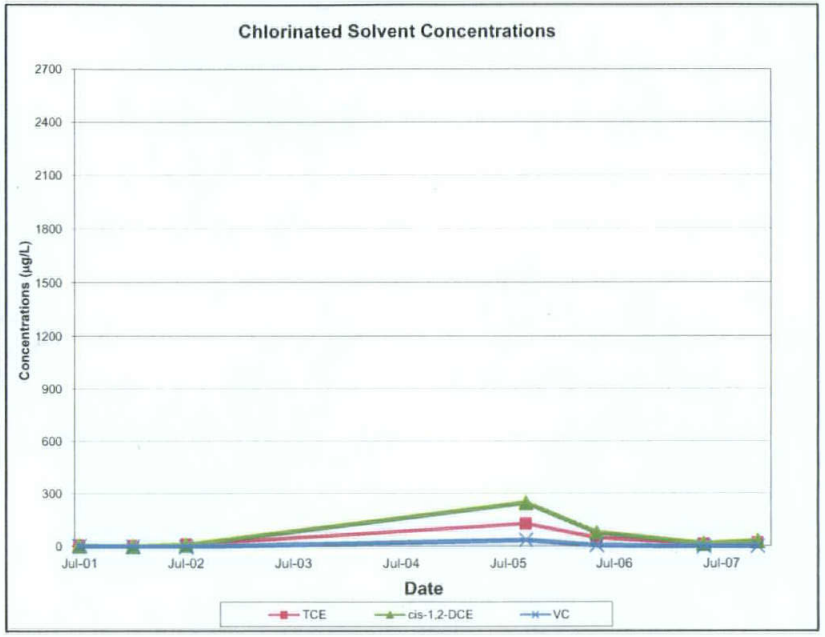
- Total organic carbon (TOC) concentrations in samples from all wells are generally low (less than 5 mg/L)[1] and suggest that residual TOC within the aquifer may not be sufficient to sustain MNA activities.

## 3.2 Surface-Water Results

No VOCs were detected in the three surface-water samples collected in May 2007 from Big Creek Drainage Canal.

[1] USEPA's 1998 guidance for MNA ranks TOC concentrations greater than 20 mg/lg as conducive to reductive dechlorination.



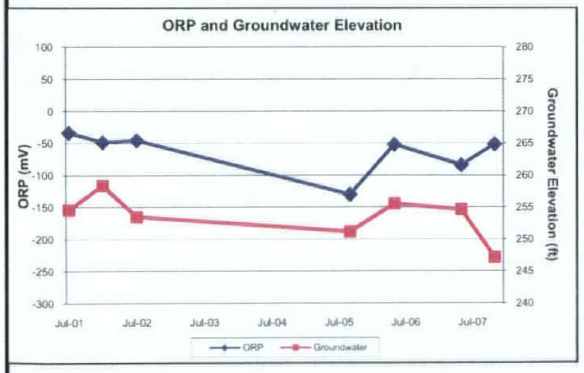



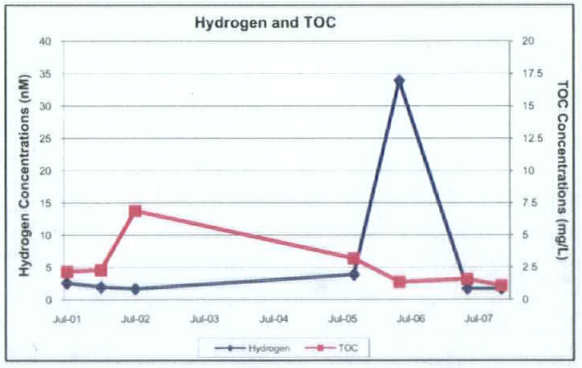

# Figure 3-1
# SWMU 2:
# MW 002G02DA

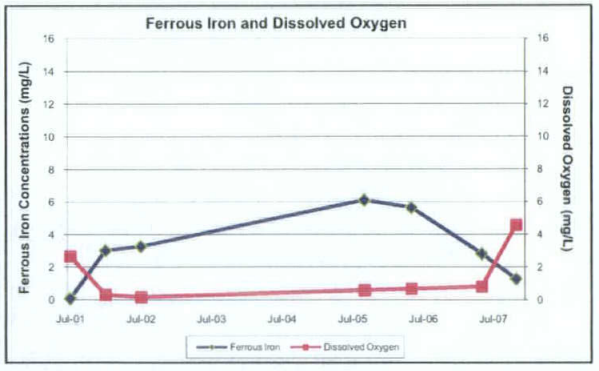
| Date | Contaminants (µg/L) | | |
|---|---|---|---|
| | TCE | cis-1,2-DCE | VC |
| Jul-01 | 7 | 5 | 5 U |
| Jan-02 | 2 | 2 | 1 U |
| Jul-02 | 11 | 10 | 0.5 |
| Sep-05 | 130 | 250 | 38 |
| May-06 | 50 | 80 | 8 |
| May-07 | 13 | 17 | 2 J |
| Nov-07 | 21 | 32 | 3 |

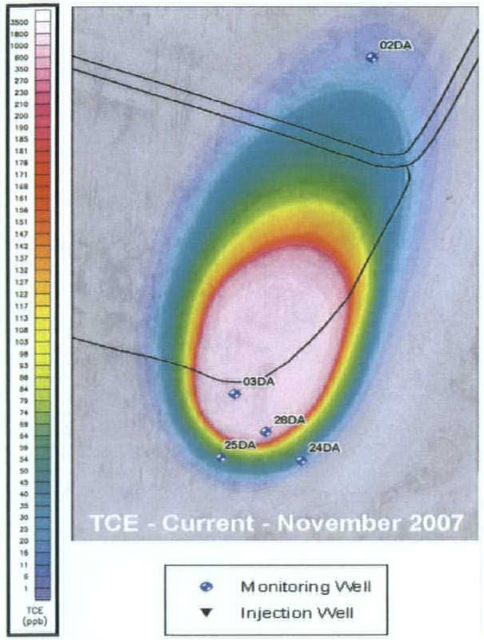
Notes:

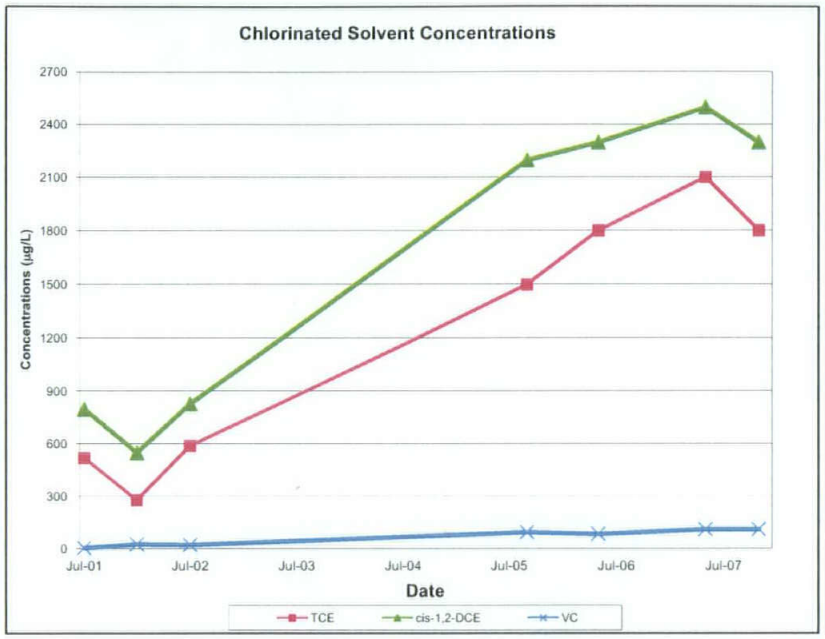
| | |
|---|---|
| µg/L | micrograms per liter |
| TCE | trichloroethene |
| cis-1,2-DCE | cis-1,2-dichloroethene |
| VC | vinyl chloride |
| J | Estimated |
| U | Undetected at the limit indicated |





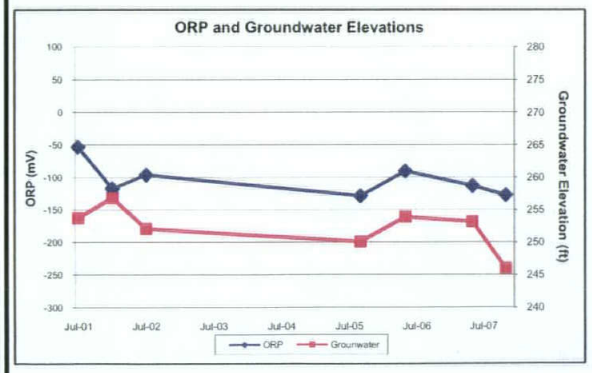



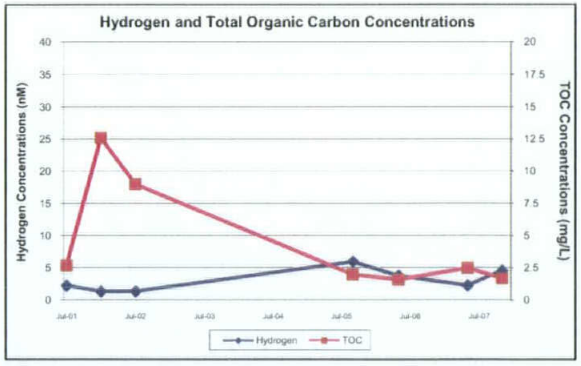

# Figure 3-2
# SWMU 2:
# MW 002G03DA

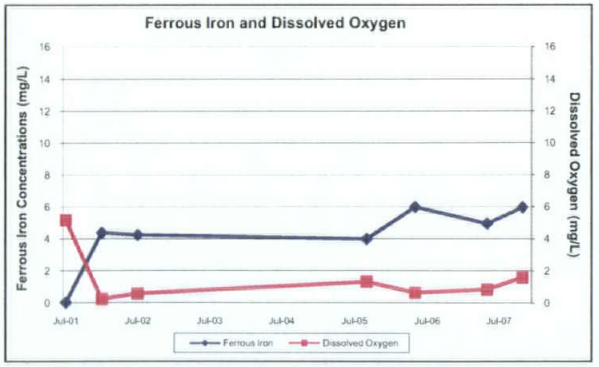
| Date | Contaminants (µg/L) | | |
|---|---|---|---|
| | TCE | cis-1,2-DCE | VC |
| Jul-01 | 520 | 800 | 5 U |
| Jan-02 | 280 | 550 | 26 |
| Jul-02 | 590 | 830 | 22 |
| Sep-05 | 1,500 | 2,200 | 94 |
| May-06 | 1,800 | 2,300 | 84 |
| May-07 | 2,100 | 2,500 | 110 |
| Nov-07 | 1,800 | 2,300 | 110 |

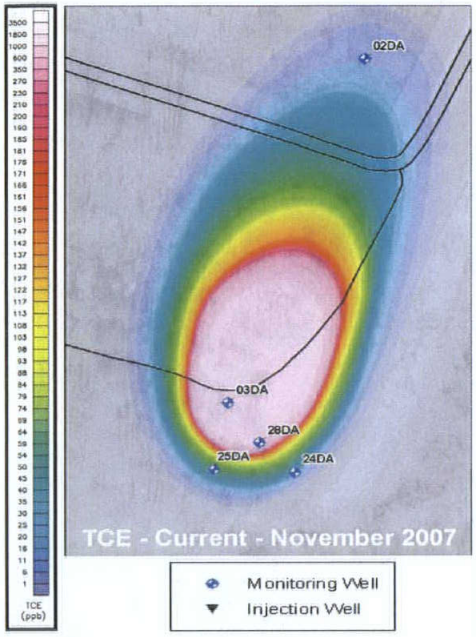
Notes:

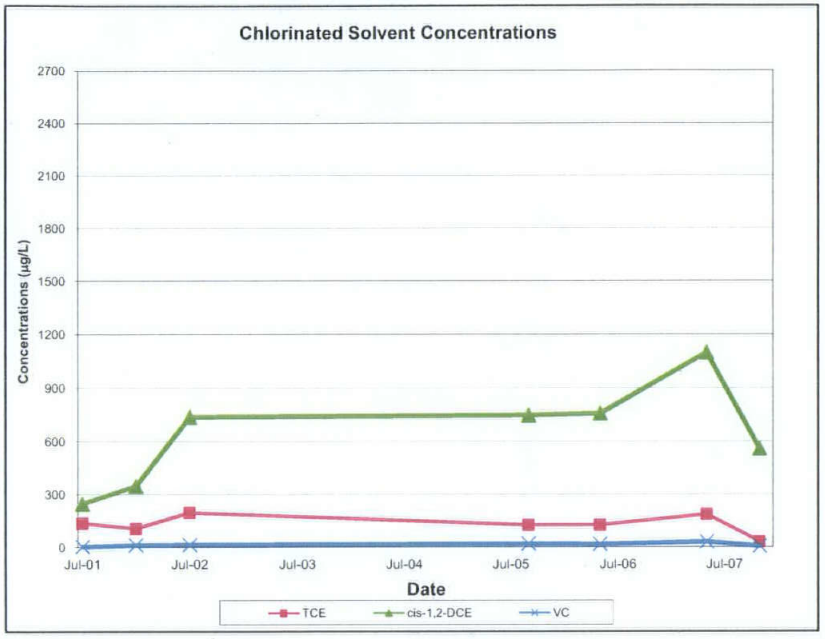
| | |
|---|---|
| µg/L | micrograms per liter |
| TCE | trichloroethene |
| cis-1,2-DCE | cis-1,2-dichloroethene |
| VC | vinyl chloride |
| J | Estimated |
| U | Undetected at the limit indicated |





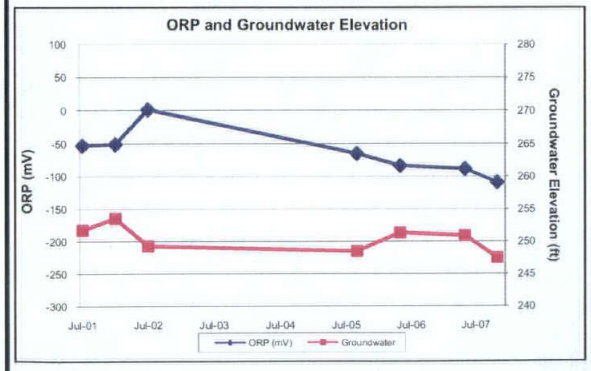



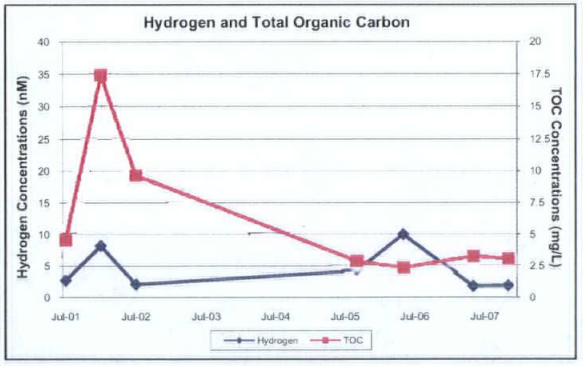

# Figure 3-3
# SWMU 2:
# MW 002G24DA

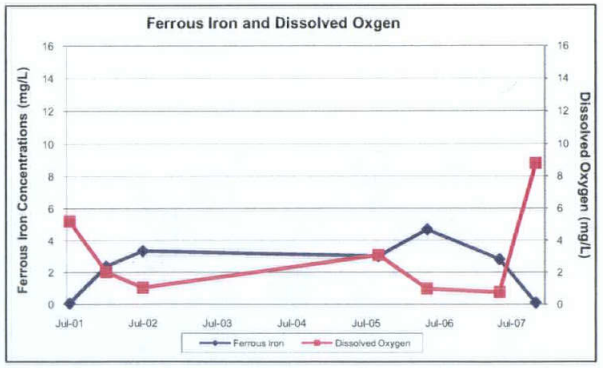
| Date | Contaminants (µg/L) | | |
|---|---|---|---|
| | TCE | cis-1,2-DCE | VC |
| Jul-01 | 140 | 250 | 5 U |
| Jan-02 | 110 | 350 | 14 |
| Jul-02 | 200 | 740 | 16 |
| Sep-05 | 130 | 750 | 21 |
| May-06 | 130 | 760 | 19 |
| May-07 | 190 | 1100 | 32 |
| Nov-07 | 35 | 560 | 7 |

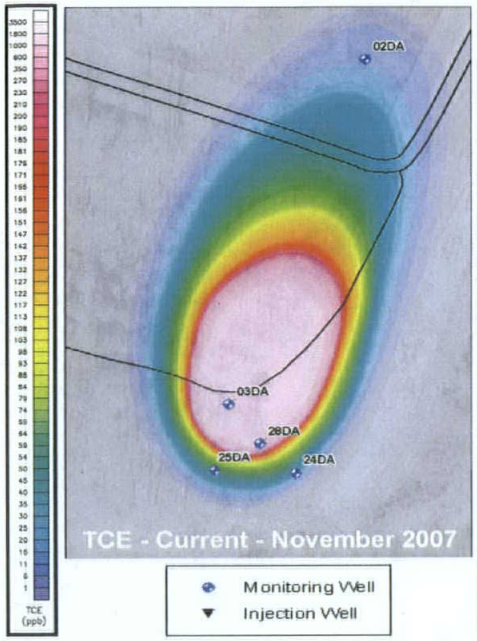
Notes:

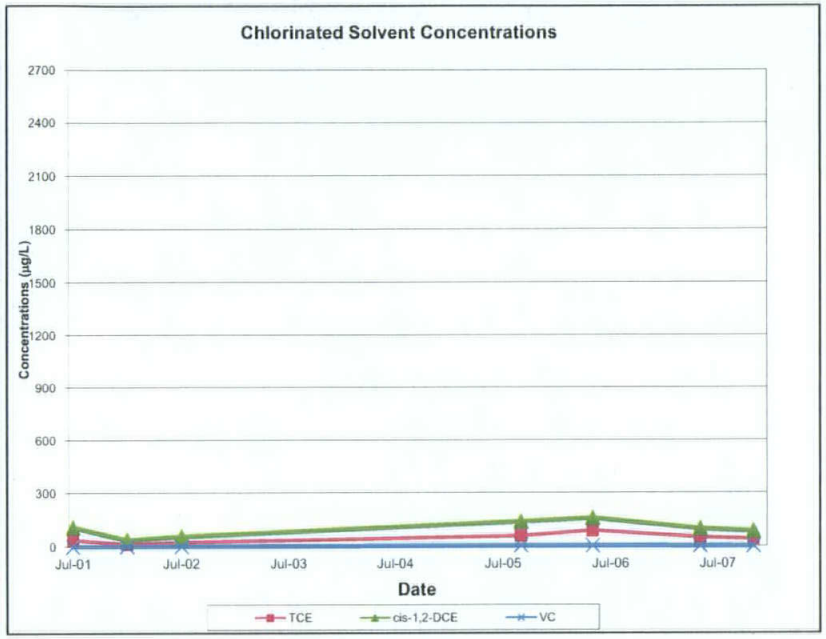
| | |
|---|---|
| µg/L | micrograms per liter |
| TCE | trichloroethene |
| cis-1,2-DCE | cis-1,2-dichloroethene |
| VC | vinyl chloride |
| J | Estimated |
| U | Undetected at the limit indicated |





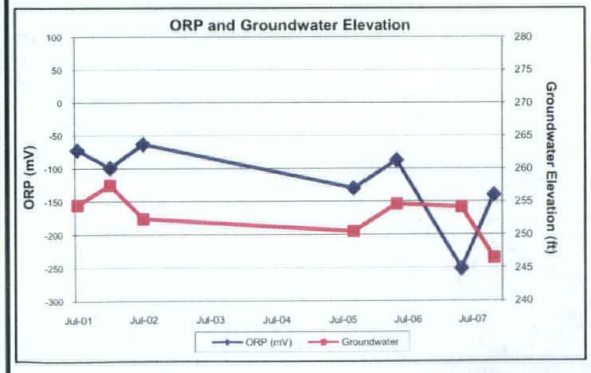



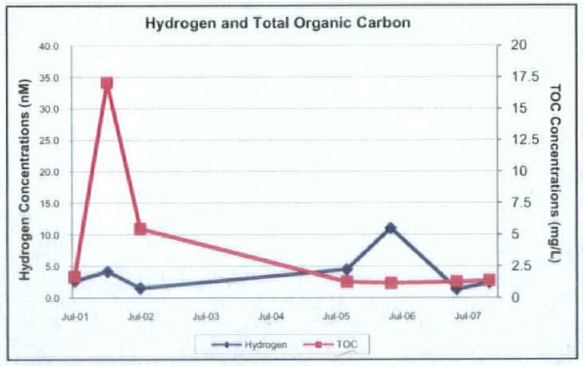

# Figure 3-4
# SWMU 2:
# MW 002G25DA

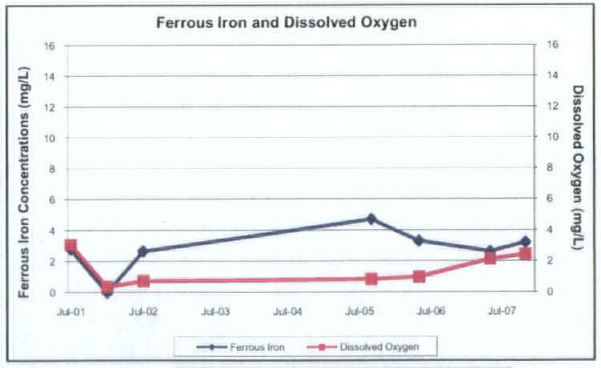
| Date | Contaminants (µg/L) | | |
|---|---|---|---|
| | TCE | cis-1,2-DCE | VC |
| Jul-01 | 38 | 110 | 1 U |
| Jan-02 | 15 | 39 | 2 |
| Jul-02 | 25 | 59 | 2 |
| Sep-05 | 60 | 140 | 7 |
| May-06 | 90 | 160 | 6 |
| May-07 | 52 | 100 | 4 |
| Nov-07 | 42 | 86 | 3 |

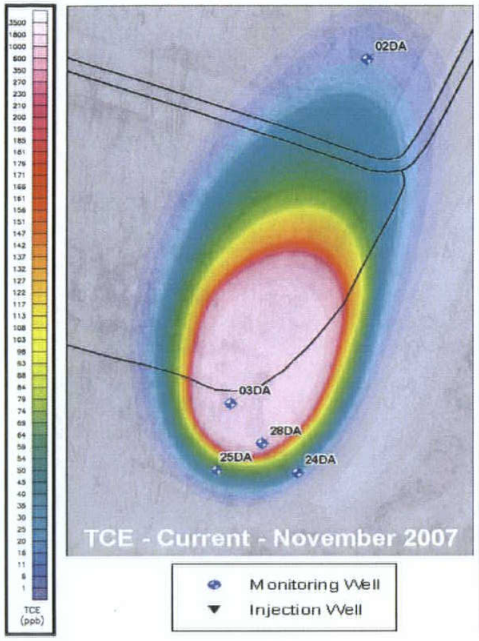
Notes:

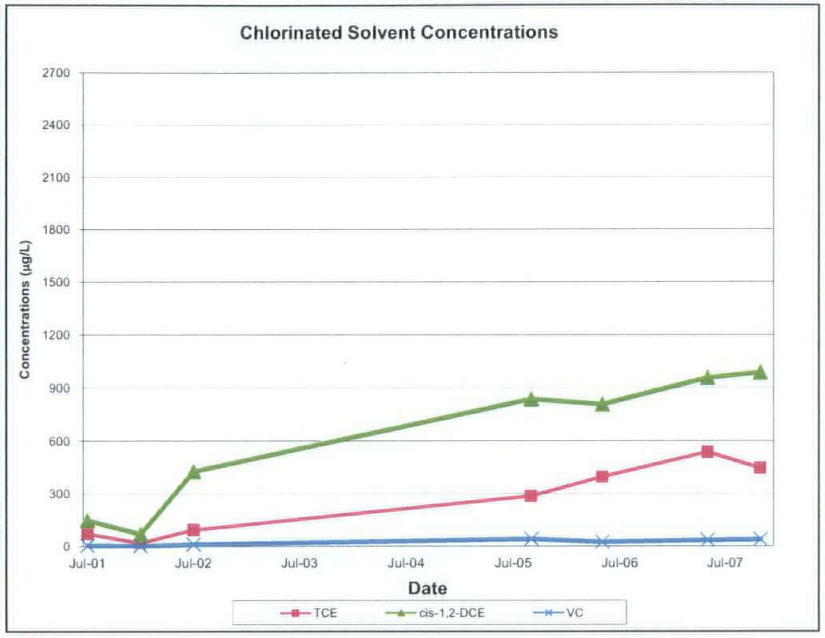
| | |
|---|---|
| µg/L | micrograms per liter |
| TCE | trichloroethene |
| cis-1,2-DCE | cis-1,2-dichloroethene |
| VC | vinyl chloride |
| J | Estimated |
| U | Undetected at the limit indicated |





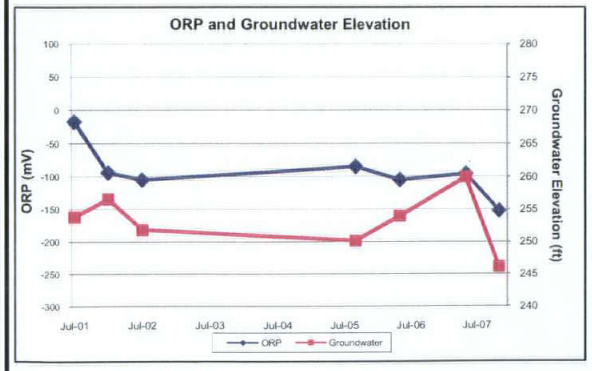



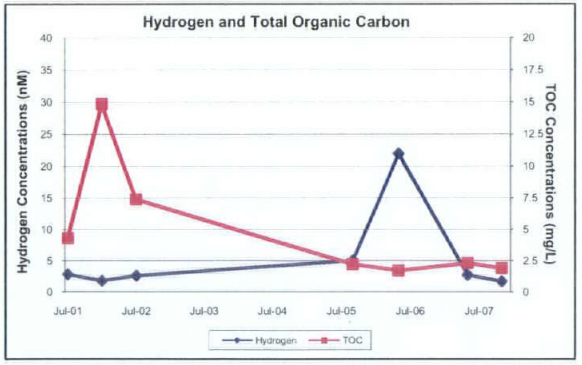

# Figure 3-5
# SWMU 2:
# MW 002G28DA

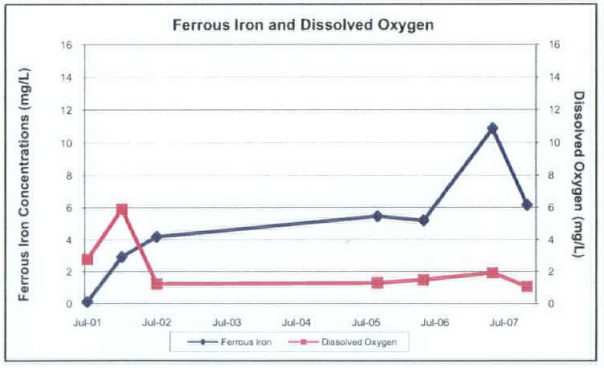
| Date | Contaminants (µg/L) | | |
|---|---|---|---|
| | TCE | cis-1,2-DCE | VC |
| Jul-01 | 74 | 150 | 5 U |
| Jan-02 | 21 | 71 | 2 |
| Jul-02 | 97 | 430 | 11 |
| Sep-05 | 290 | 840 | 42 |
| May-06 | 400 | 810 | 25 |
| May-07 | 540 | 960 | 35 |
| Nov-07 | 450 | 990 | 39 |

Notes:

| | |
|---|---|
| µg/L | micrograms per liter |
| TCE | trichloroethene |
| cis-1,2-DCE | cis-1,2-dichloroethene |
| VC | vinyl chloride |
| J | Estimated |
| U | Undetected at the limit indicated |



## 4.0 CONCLUSIONS AND RECOMMENDATIONS

SWMU 2 monitoring-well data from the May and November 2007 sampling events indicate an increase in VOC concentrations in some of the sampled wells (002G28DA and 002G03DA) with a decrease or unchanged concentrations in the other wells (002G02DA, 002G24DA, 002G25DA). These fluctuations in VOC concentrations are significant enough to warrant re-evaluation MNA as to whether it is a viable long-term remedy.

The variability in VOC concentrations seen in the May and November 2007 sampling events is believed attributed to various influences, one of which may be recharge of the aquifer associated with the elevated stage of Big Creek Drainage Canal, which is located approximately 100 feet south of the landfill. Historic low water levels measured in monitoring wells in November correspond with an apparent reversal in groundwater flow directions from southeast to southwestward to northeast to northwest — suggesting that Big Creek Drainage Canal is draining into the alluvial aquifer during periods of elevated bank storage. If true, the dilution caused by non-contaminated water from Big Creek mixing with contaminated water migrating out of the landfill may contribute to the variability seen in the VOC data set. Other factors may be associated with the observed fluctuations in contaminants and geochemistry; however, uncertainties associated with landfill construction, disposal, and closure patterns preclude direct confirmation of this hypothesis.

MNA data indicate conversion of TCE to DCE is ongoing, and that the proportion of DCE in SWMU 2 wells has remained steady or has increased over the monitoring period. Aquifer conditions remain predominantly anaerobic, and suggest that conditions are appropriate for MNA. It is not clear, given existing data, whether full conversion of DCE to VC is occurring. TOC concentrations are generally low, potentially suggesting that MNA effectiveness may be carbon-limited.

A site-specific ACL based on ecological benchmarks that is protective of Big Creek Drainage Canal has been developed for the site and is pending regulatory review and approval. If the ACL is approved, the site remedy will be modified to reflect monitoring-only. The MNA parameters listed in Table 2-1 (e.g., TOC, hydrogen, methane, ethane) will be curtailed upon adopting the ACL and monitoring parameters will consist only of VOCs, ferrous iron, and water-quality stabilization parameters (pH, temperature, conductivity, turbidity, DO, ORP). A revision to the SWMU 2 Statement of Basis will be required to reflect the remedy modification.

## 5.0 REFERENCES

Carmichael, J.K., Parks, W.S., Kingsbury, J.A., and Ladd, D.E. (1997). *Hydrogeology and Groundwater Quality of Naval Support Activity Mid-South, Millington, Tennessee.* Water-Resources Investigations Report 97-4158. USGS: Nashville, Tennessee.

EnSafe Inc. (2001, May 9). *SWMU 2 — Southside Landfill — Sampling Plan, Revision 1.* EnSafe: Memphis, Tennessee.

— (2001, December 11). *RCRA Facility Investigation Report — SWMU 2 Southside Landfill, Revision 1.* EnSafe: Memphis, Tennessee.

— (2004, February 27). *Corrective Measures Study Report, SWMU 2 — Southside Landfill, Revision 1.* EnSafe: Memphis, Tennessee.

— (2005, June 17). *Technical Memorandum — SWMU 2 Surface Container Removal Report, NSA Mid-South, Revision 0.* EnSafe: Memphis, Tennessee.

— (2005, June 30). *Monitored Natural Attenuation Work Plan, SWMU 2 — Southside Landfill, Revision 1.* EnSafe: Memphis, Tennessee.

— (2006, October 26). *Monitored Natural Attenuation Effectiveness Progress Report, SWMU 2 — Southside Landfill, Revision 1.* EnSafe: Memphis, Tennessee.

# Appendix A
# Analytical Data

# SPECTRA TECH, INC.
# NSA MID-SOUTH
# SDG: NSA-022
# SA2407

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

# SAMPLE DATA PACKAGE

# SDG NARRATIVE
# KATAHDIN ANALYTICAL SERVICES
# SPECTRA TECH, INC.
# CASE NSA MID-SOUTH
# SDG: NSA-022
# SA2407

## Sample Receipt

The following samples were received on May 18, 2007 and were logged in under Katahdin Analytical Services work order number SA2407 for a hardcopy due date of June 6, 2007.

| KATAHDIN Sample No. | SPECTRA TECH Sample Identification |
|---|---|
| SA2407-1 | 002G24DA12 |
| SA2407-2 | 002G25DA12 |
| SA2407-3 | 002H25DA12 |
| SA2407-4 | 002G28DA12 |
| SA2407-5 | 002G03DA12 |
| SA2407-6 | 002G02DA12 |
| SA2407-7 | 002H02DA12 |
| SA2407-8 | 002E051707 |
| SA2407-9 | 002F051707 |
| SA2407-10 | 002T051707 |
| SA2407-11 | 002WEAST03 |
| SA2407-12 | 002WCENT03 |
| SA2407-13 | 002WWEST03 |

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.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

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 Analysis

The samples of SDG NSA-022 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, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, for the specific methods listed below or on the Report of

Analysis. Sample SA2407-1 was used for the Matrix Spike (MS) and Matrix Spike Duplicate (MSD), per client request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until the number of spiked analytes in the LCS that are outside of the QC limits is not greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The initial calibration analyzed on the F instrument on 5/17/07 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Although the %RSD is greater than 15%, acetone was calibrated with the average model since this calibration model is more accurate for this analyte at concentrations near the PQL than either the linear or quadratic calibration models.

The method blank WG39413-2 had a low recovery for one surrogate, which was outside of the laboratory established acceptance limits by one percent. Since the other three surrogates were acceptable as well as all of the surrogates in the associated samples and there were no target analytes detected above the PQL in the blank, the associated samples were not reanalyzed.

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

## Wet Chemistry Analysis

The samples of SDG NSA-022 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total organic carbon 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 holding times and all quality control criteria were met.

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 Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
6.11.07

Leslie Dimond
Quality Assurance Officer

P.O. Box 540, Scarborough, ME 04070 • Tel: (207) 874-2400 • Fax: (207) 775-4029 • 600 Technology Way, Scarborough, ME 04074
www.katahdinlab.com

# SAMPLE DATA SUMMARY PACKAGE

## ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns.

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 19:15
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-1
Client ID: 002G24DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | | 32 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | | 2 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | E | 400 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | E | 1100 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | | 190 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 113% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 98% | | | | |
| 2037-26-5 | Toluene-D8 | | 100% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 90% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G24DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-1

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

Lab File ID: F5966

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/29/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
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# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 14:36
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-1DL
Client ID: 002G24DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
Units: ug/l

| CAS# | Compound | Flags | Results | DF | PQL | Adj.PQL | Adj.MDL |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 20 | 10 | 2 | 20 | 6 |
| 75-01-4 | Vinyl chloride | | 29 | 10 | 2 | 20 | 6 |
| 74-83-9 | Bromomethane | U | 20 | 10 | 2 | 20 | 6 |
| 75-00-3 | Chloroethane | U | 20 | 10 | 2 | 20 | 5 |
| 75-35-4 | 1,1-Dichloroethene | U | 10 | 10 | 1 | 10 | 6 |
| 75-15-0 | Carbon Disulfide | U | 10 | 10 | 1 | 10 | 6 |
| 75-09-2 | Methylene Chloride | U | 50 | 10 | 5 | 50 | 24 |
| 67-64-1 | Acetone | U | 50 | 10 | 5 | 50 | 32 |
| 156-60-5 | trans-1,2-Dichloroethene | | 350 | 10 | 1 | 10 | 6 |
| 75-34-3 | 1,1-Dichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 1100 | 10 | 1 | 10 | 5 |
| 67-66-3 | Chloroform | U | 10 | 10 | 1 | 10 | 4 |
| 56-23-5 | Carbon Tetrachloride | U | 10 | 10 | 1 | 10 | 5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 10 | 10 | 1 | 10 | 5 |
| 78-93-3 | 2-Butanone | U | 50 | 10 | 5 | 50 | 27 |
| 71-43-2 | Benzene | U | 10 | 10 | 1 | 10 | 5 |
| 107-06-2 | 1,2-Dichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 79-01-6 | Trichloroethene | | 190 | 10 | 1 | 10 | 4 |
| 78-87-5 | 1,2-Dichloropropane | U | 10 | 10 | 1 | 10 | 5 |
| 75-27-4 | Bromodichloromethane | U | 10 | 10 | 1 | 10 | 4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 10 | 10 | 1 | 10 | 4 |
| 108-88-3 | Toluene | U | 10 | 10 | 1 | 10 | 4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 50 | 10 | 5 | 50 | 23 |
| 127-18-4 | Tetrachloroethene | U | 10 | 10 | 1 | 10 | 6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 10 | 10 | 1 | 10 | 4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 10 | 10 | 1 | 10 | 5 |
| 124-48-1 | Dibromochloromethane | U | 10 | 10 | 1 | 10 | 3 |
| 591-78-6 | 2-Hexanone | U | 50 | 10 | 5 | 50 | 21 |
| 108-90-7 | Chlorobenzene | U | 10 | 10 | 1 | 10 | 3 |
| 100-41-4 | Ethylbenzene | U | 10 | 10 | 1 | 10 | 3 |
| 1330-20-7 | Xylenes (total) | U | 30 | 10 | 3 | 30 | 13 |
| | m+p-Xylenes | U | 20 | 10 | 2 | 20 | 10 |
| 95-47-6 | o-Xylene | U | 10 | 10 | 1 | 10 | 4 |
| 100-42-5 | Styrene | U | 10 | 10 | 1 | 10 | 3 |
| 75-25-2 | Bromoform | U | 10 | 10 | 1 | 10 | 4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 10 | 10 | 1 | 10 | 6 |
| 1868-53-7 | Dibromofluoromethane | | 118% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 115% | | | | |
| 2037-26-5 | Toluene-D8 | | 109% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 102% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G24DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-1DL

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

Lab File ID: F5993

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 13:28
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-2RA
Client ID: 002G25DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
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 | | 4 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 33 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 100 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | | 52 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 107% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 100% | | | | |
| 2037-26-5 | Toluene-D8 | | 98% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 88% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G25DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-2RA

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

Lab File ID: F5991

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 14:02
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-3RA
Client ID: 002H25DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
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 | | 4 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 31 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 100 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | | 54 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 103% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 101% | | | | |
| 2037-26-5 | Toluene-D8 | | 92% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 85% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002H25DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-3RA

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

Lab File ID: F5992

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 20:58
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-4
Client ID: 002G28DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | | 35 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | | 2 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | E | 300 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | E | 980 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | E | 600 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 106% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 100% | | | | |
| 2037-26-5 | Toluene-D8 | | 108% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 105% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G28DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-4

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

Lab File ID: F5969

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/29/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 15:10
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-4DL
Client ID: 002G28DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
Units: ug/l

| CAS# | Compound | Flags | Results | DF | PQL | Adj.PQL | Adj.MDL |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 20 | 10 | 2 | 20 | 6 |
| 75-01-4 | Vinyl chloride | | 28 | 10 | 2 | 20 | 6 |
| 74-83-9 | Bromomethane | U | 20 | 10 | 2 | 20 | 6 |
| 75-00-3 | Chloroethane | U | 20 | 10 | 2 | 20 | 5 |
| 75-35-4 | 1,1-Dichloroethene | U | 10 | 10 | 1 | 10 | 6 |
| 75-15-0 | Carbon Disulfide | U | 10 | 10 | 1 | 10 | 6 |
| 75-09-2 | Methylene Chloride | U | 50 | 10 | 5 | 50 | 24 |
| 67-64-1 | Acetone | U | 50 | 10 | 5 | 50 | 32 |
| 156-60-5 | trans-1,2-Dichloroethene | | 260 | 10 | 1 | 10 | 6 |
| 75-34-3 | 1,1-Dichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 960 | 10 | 1 | 10 | 5 |
| 67-66-3 | Chloroform | U | 10 | 10 | 1 | 10 | 4 |
| 56-23-5 | Carbon Tetrachloride | U | 10 | 10 | 1 | 10 | 5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 10 | 10 | 1 | 10 | 5 |
| 78-93-3 | 2-Butanone | U | 50 | 10 | 5 | 50 | 27 |
| 71-43-2 | Benzene | U | 10 | 10 | 1 | 10 | 5 |
| 107-06-2 | 1,2-Dichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 79-01-6 | Trichloroethene | | 540 | 10 | 1 | 10 | 4 |
| 78-87-5 | 1,2-Dichloropropane | U | 10 | 10 | 1 | 10 | 5 |
| 75-27-4 | Bromodichloromethane | U | 10 | 10 | 1 | 10 | 4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 10 | 10 | 1 | 10 | 4 |
| 108-88-3 | Toluene | U | 10 | 10 | 1 | 10 | 4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 50 | 10 | 5 | 50 | 23 |
| 127-18-4 | Tetrachloroethene | U | 10 | 10 | 1 | 10 | 6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 10 | 10 | 1 | 10 | 4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 10 | 10 | 1 | 10 | 5 |
| 124-48-1 | Dibromochloromethane | U | 10 | 10 | 1 | 10 | 3 |
| 591-78-6 | 2-Hexanone | U | 50 | 10 | 5 | 50 | 21 |
| 108-90-7 | Chlorobenzene | U | 10 | 10 | 1 | 10 | 3 |
| 100-41-4 | Ethylbenzene | U | 10 | 10 | 1 | 10 | 3 |
| 1330-20-7 | Xylenes (total) | U | 30 | 10 | 3 | 30 | 13 |
| | m+p-Xylenes | U | 20 | 10 | 2 | 20 | 10 |
| 95-47-6 | o-Xylene | U | 10 | 10 | 1 | 10 | 4 |
| 100-42-5 | Styrene | U | 10 | 10 | 1 | 10 | 3 |
| 75-25-2 | Bromoform | U | 10 | 10 | 1 | 10 | 4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 10 | 10 | 1 | 10 | 6 |
| 1868-53-7 | Dibromofluoromethane | | 110% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 109% | | | | |
| 2037-26-5 | Toluene-D8 | | 96% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 100% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G28DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-4DL

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

Lab File ID: F5994

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 10.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 21:32
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-5
Client ID: 002G03DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | | 110 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | | 5 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | E | 820 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | E | 3000 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | E | 2300 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 99% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 99% | | | | |
| 2037-26-5 | Toluene-D8 | | 95% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 84% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G03DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-5

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

Lab File ID: F5970

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/29/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 15:44
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-5DL
Client ID: 002G03DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
Units: ug/l

| CAS# | Compound | Flags | Results | DF | PQL | Adj.PQL | Adj.MDL |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 50 | 25 | 2 | 50 | 15 |
| 75-01-4 | Vinyl chloride | | 82 | 25 | 2 | 50 | 14 |
| 74-83-9 | Bromomethane | U | 50 | 25 | 2 | 50 | 14 |
| 75-00-3 | Chloroethane | U | 50 | 25 | 2 | 50 | 12 |
| 75-35-4 | 1,1-Dichloroethene | U | 25 | 25 | 1 | 25 | 16 |
| 75-15-0 | Carbon Disulfide | U | 25 | 25 | 1 | 25 | 15 |
| 75-09-2 | Methylene Chloride | U | 120 | 25 | 5 | 120 | 60 |
| 67-64-1 | Acetone | U | 120 | 25 | 5 | 120 | 80 |
| 156-60-5 | trans-1,2-Dichloroethene | | 680 | 25 | 1 | 25 | 16 |
| 75-34-3 | 1,1-Dichloroethane | U | 25 | 25 | 1 | 25 | 10 |
| 156-59-2 | cis-1,2-Dichloroethene | | 2500 | 25 | 1 | 25 | 13 |
| 67-66-3 | Chloroform | U | 25 | 25 | 1 | 25 | 9 |
| 56-23-5 | Carbon Tetrachloride | U | 25 | 25 | 1 | 25 | 13 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 25 | 25 | 1 | 25 | 12 |
| 78-93-3 | 2-Butanone | U | 120 | 25 | 5 | 120 | 68 |
| 71-43-2 | Benzene | U | 25 | 25 | 1 | 25 | 12 |
| 107-06-2 | 1,2-Dichloroethane | U | 25 | 25 | 1 | 25 | 10 |
| 79-01-6 | Trichloroethene | | 2100 | 25 | 1 | 25 | 10 |
| 78-87-5 | 1,2-Dichloropropane | U | 25 | 25 | 1 | 25 | 13 |
| 75-27-4 | Bromodichloromethane | U | 25 | 25 | 1 | 25 | 10 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 25 | 25 | 1 | 25 | 10 |
| 108-88-3 | Toluene | U | 25 | 25 | 1 | 25 | 11 |
| 108-10-1 | 4-methyl-2-pentanone | U | 120 | 25 | 5 | 120 | 57 |
| 127-18-4 | Tetrachloroethene | U | 25 | 25 | 1 | 25 | 14 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 25 | 25 | 1 | 25 | 10 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 25 | 25 | 1 | 25 | 14 |
| 124-48-1 | Dibromochloromethane | U | 25 | 25 | 1 | 25 | 8 |
| 591-78-6 | 2-Hexanone | U | 120 | 25 | 5 | 120 | 53 |
| 108-90-7 | Chlorobenzene | U | 25 | 25 | 1 | 25 | 7 |
| 100-41-4 | Ethylbenzene | U | 25 | 25 | 1 | 25 | 8 |
| 1330-20-7 | Xylenes (total) | U | 75 | 25 | 3 | 75 | 32 |
| | m+p-Xylenes | U | 50 | 25 | 2 | 50 | 24 |
| 95-47-6 | o-Xylene | U | 25 | 25 | 1 | 25 | 11 |
| 100-42-5 | Styrene | U | 25 | 25 | 1 | 25 | 8 |
| 75-25-2 | Bromoform | U | 25 | 25 | 1 | 25 | 10 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 25 | 25 | 1 | 25 | 14 |
| 1868-53-7 | Dibromofluoromethane | | 108% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 108% | | | | |
| 2037-26-5 | Toluene-D8 | | 112% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 104% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G03DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-5DL

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

Lab File ID: F5995

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 25.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 11:45
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-6RA
Client ID: 002G02DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
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 | J | 2 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 4 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 17 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | | 13 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 101% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 94% | | | | |
| 2037-26-5 | Toluene-D8 | | 92% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 88% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G02DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-6RA

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

Lab File ID: F5988

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 12:19
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-7RA
Client ID: 002H02DA12
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
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 | J | 1 | 1.0 | 2 | 2 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 3 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 15 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | | 12 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 101% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 98% | | | | |
| 2037-26-5 | Toluene-D8 | | 96% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 90% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002H02DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-7RA

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

Lab File ID: F5989

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 18:07
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-8
Client ID: 002E051707
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | .2 |
| 67-64-1 | Acetone | | 10 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | | 9 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 121% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 114% | | | | |
| 2037-26-5 | Toluene-D8 | | 96% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 94% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002E051707

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-8

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

Lab File ID: F5964

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/29/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 18:41
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-9
Client ID: 002F051707
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 112% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 105% | | | | |
| 2037-26-5 | Toluene-D8 | | 96% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 90% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002F051707

Lab Name: KATAHDIN ANALYTICAL SERVICES  Lab Code: KAS

Project: NSA MID-SOUTH  SDG No.: NSA-022

Matrix: (soil/water) WATER  Lab Sample ID: SA2407-9

Sample wt/vol: 5.000 (g/mL) ML  Lab File ID: F5965

Level: (low/med) LOW  Date Received: 05/18/07

% Moisture: not dec. _____  Date Analyzed: 05/29/07

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

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 17:32
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-10
Client ID: 002T051707
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 120% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 112% | | | | |
| 2037-26-5 | Toluene-D8 | | 106% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 102% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002T051707

Lab Name: KATAHDIN ANALYTICAL SERVICES  Lab Code: KAS

Project: NSA MID-SOUTH  SDG No.: NSA-022

Matrix: (soil/water) WATER  Lab Sample ID: SA2407-10

Sample wt/vol: 5.000 (g/mL) ML  Lab File ID: F5963

Level: (low/med) LOW  Date Received: 05/18/07

% Moisture: not dec. _____  Date Analyzed: 05/29/07

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

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

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 12:54
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-11RA
Client ID: 002WEAST03
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39440
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 106% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 98% | | | | |
| 2037-26-5 | Toluene-D8 | | 93% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 90% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002WEAST03

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-11RA

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

Lab File ID: F5990

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 29-MAY-2007 23:50
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-12
Client ID: 002WCENT03
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 113% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 107% | | | | |
| 2037-26-5 | Toluene-D8 | | 111% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 101% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002WCENT03

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-12

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

Lab File ID: F5974

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/29/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/17/07
Received Date: 05/18/07
Extraction Date:
Analysis Date: 30-MAY-2007 00:24
Report Date: 06/05/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2407-13
Client ID: 002WWEST03
SDG: NSA-022
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39413
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 103% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 97% | | | | |
| 2037-26-5 | Toluene-D8 | | 102% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 92% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002WWEST03

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: NSA-022

Matrix: (soil/water) WATER

Lab Sample ID: SA2407-13

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

Lab File ID: F5975

Level: (low/med) LOW

Date Received: 05/18/07

% Moisture: not dec. _____

Date Analyzed: 05/30/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
| 2. | | | | |
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FORM I VOA-TIC

Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Ronnie Moody
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA2407-1
**Report Date:** 09-JUN-07
**Client PO:**
**Project:** NSA Mid-South
**SDG:** NSA-022

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G24DA12 | AQ | 17-MAY-07 | 18-MAY-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 3.2 mg/L | 1 | EPA 415.1 | WG39628 | 01-JUN-07 17:05:25 | N/A | N/A | CP | |

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Ronnie Moody
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA2407-2
**Report Date:** 09-JUN-07
**Client PO:**
**Project:** NSA Mid-South
**SDG:** NSA-022

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G25DA12 | AQ | 17-MAY-07 | 18-MAY-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 1.3 mg/L | 1 | EPA 415.1 | WG39628 | 01-JUN-07 17:17:20 | N/A | N/A | CP | |

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Ronnie Moody
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge, TN 37830

**Lab Sample ID:** SA2407-4
**Report Date:** 09-JUN-07
**Client PO:**
**Project:** NSA Mid-South
**SDG:** NSA-022

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G28DA12 | AQ | 17-MAY-07 | 18-MAY-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 2.3 mg/L | 1 | EPA 415.1 | WG39628 | 01-JUN-07 17:29:19 | N/A | N/A | CP | |

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Ronnie Moody
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA2407-5
**Report Date:** 09-JUN-07
**Client PO:**
**Project:** NSA Mid-South
**SDG:** NSA-022

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G03DA12 | AQ | 17-MAY-07 | 18-MAY-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 2.5 mg/L | 1 | EPA 415.1 | WG39628 | 01-JUN-07 17:41:20 | N/A | N/A | CP | |

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Ronnie Moody
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge, TN 37830

**Lab Sample ID:** SA2407-6
**Report Date:** 09-JUN-07
**Client PO:**
**Project:** NSA Mid-South
**SDG:** NSA-022

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G02DA12 | AQ | 17-MAY-07 | 18-MAY-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 1.6 mg/L | 1 | EPA 415.1 | WG39628 | 01-JUN-07 17:53:15 | N/A | N/A | CP | |

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

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SPECTRA TECH, INC.
NSA MID-SOUTH
SA2484

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

# SAMPLE DATA PACKAGE

# SDG NARRATIVE
# KATAHDIN ANALYTICAL SERVICES
# SPECTRA TECH, INC.
# CASE NSA MID-SOUTH
# SA2484

## Sample Receipt

The following samples were received on May 23, 2007 and were logged in under Katahdin Analytical Services work order number SA2484 for a hardcopy due date of June 11, 2007.

| KATAHDIN Sample No. | SPECTRA TECH Sample Identification |
|---|---|
| SA2484-1 | 002G27DA12 |
| SA2484-2 | 002G26DA12 |
| SA2484-3 | 002H27DA12 |

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.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

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 Analysis

The samples of Work Order SA2484 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, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, 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 reports.

### 8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until the number of spiked analytes in the LCS that are outside of the QC limits is not greater than the

DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

The initial calibration analyzed on the F instrument on 5/17/07 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Although the %RSD is greater than 15%, acetone was calibrated with the average model since this calibration model is more accurate for this analyte at concentrations near the PQL than either the linear or quadratic calibration models.

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

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

Leslie Dimond
6.11.07
Leslie Dimond
Quality Assurance Officer

# SAMPLE DATA SUMMARY PACKAGE

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## ORGANIC DATA QUALIFIERS

| | |
|---|---|
| U | Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit. |
| * | Compound recovery outside of quality control limits. |
| D | Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable. |
| E | Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. |
| J | Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL). |
| B | Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample. |
| N | Presumptive evidence of a compound based on a mass spectral library search. |
| A | Indicates that a tentatively identified compound is a suspected aldol-condensation product. |
| P | Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. |

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/21/07
Received Date: 05/23/07
Extraction Date:
Analysis Date: 31-MAY-2007 14:17
Report Date: 06/07/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2484-1
Client ID: 002G27DA12
SDG: SA2484
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39494
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 101% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 98% | | | | |
| 2037-26-5 | Toluene-D8 | | 95% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 97% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G27DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: SA2484

Matrix: (soil/water) WATER

Lab Sample ID: SA2484-1

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

Lab File ID: F6013

Level: (low/med) LOW

Date Received: 05/23/07

% Moisture: not dec. _____

Date Analyzed: 05/31/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/21/07
Received Date: 05/23/07
Extraction Date:
Analysis Date: 31-MAY-2007 14:52
Report Date: 06/07/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2484-2
Client ID: 002G26DA12
SDG: SA2484
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39494
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 121% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 113% | | | | |
| 2037-26-5 | Toluene-D8 | | 102% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 93% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G26DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: SA2484

Matrix: (soil/water) WATER

Lab Sample ID: SA2484-2

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

Lab File ID: F6014

Level: (low/med) LOW

Date Received: 05/23/07

% Moisture: not dec. _____

Date Analyzed: 05/31/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid-South
PO No:
Sample Date: 05/21/07
Received Date: 05/23/07
Extraction Date:
Analysis Date: 31-MAY-2007 15:27
Report Date: 06/07/2007
Matrix: WATER
% Solids: NA

Lab ID: SA2484-3
Client ID: 002H27DA12
SDG: SA2484
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG39494
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 | 0.6 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.6 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 2 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 3 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 1 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.6 |
| 1868-53-7 | Dibromofluoromethane | | 110% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 107% | | | | |
| 2037-26-5 | Toluene-D8 | | 101% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 96% | | | | |



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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002H27DA12

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID-SOUTH

SDG No.: SA2484

Matrix: (soil/water) WATER

Lab Sample ID: SA2484-3

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

Lab File ID: F6015

Level: (low/med) LOW

Date Received: 05/23/07

% Moisture: not dec. _____

Date Analyzed: 05/31/07

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

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# SPECTRA TECH, INC.
# NSA MID SOUTH
# SDG: NSA-029
# SA6555

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

Katahdin ANALYTICAL SERVICES

Cert. No: E87604

# TABLE OF CONTENTS

**Total number of pages: 311**


| | | | | |
|---|---|---|---|---|
| **SAMPLE DATA PACKAGE** | | 0000001 | | |
| Narrative | ---------- | 0000002 | to | 0000004 |
| Supporting Documents | ---------- | 0000005 | to | 0000005 |
| Chain of Custody Record | ---------- | 0000006 | to | 0000006 |
| Login Report | ---------- | 0000007 | to | 0000008 |
| **SAMPLE DATA SUMMARY** | | | | |
| Report of Analytical Results | ---------- | A0000001 | to | A0000029 |
| **VOLATILE DATA** | | 1000001 | | |
| QC Summary | ---------- | 1000002 | to | 1000016 |
| Sample Data | ---------- | 1000017 | to | 1000100 |
| Standards Data | ---------- | 1000101 | to | 1000166 |
| Raw QC Data | ---------- | 1000167 | to | 1000206 |
| Logbooks and Supporting Documents | ---------- | 1000207 | to | 1000211 |
| **CONVENTIONAL AND PHYSICAL ANALYTICAL DATA** | | 5000001 | | |
| QC Summary | ---------- | 5000002 | to | 5000004 |
| Sample Data | ---------- | 5000005 | to | 5000011 |
| Raw Data | ---------- | 5000012 | to | 5000063 |



P.O. Box 540, Scarborough, ME 04070 • Tel: (207) 874-2400 • Fax: (207) 775-4029 • 600 Technology Way, Scarborough, ME 04074

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# SAMPLE DATA PACKAGE

Katahdin ANALYTICAL SERVICES

Cert. No. E87604

**SDG NARRATIVE**
**KATAHDIN ANALYTICAL SERVICES**
**SPECTRA TECH, INC.**
**CASE NSA MID-SOUTH**
**SDG: NSA-029**
**SA6555**

## Sample Receipt

The following samples were received on November 9, 2007 and were logged in under Katahdin Analytical Services work order number SA6555 for a hardcopy due date of November 28, 2007.

| KATAHDIN Sample No. | SPECTRA TECH Sample Identification |
|---|---|
| SA6555-1 | 002G25DA13 |
| SA6555-2 | 002G24DA13 |
| SA6555-3 | 002G03DA13 |
| SA6555-4 | 002G28DA13 |
| SA6555-5 | 002T110807 |
| SA6555-6 | 002G02DA13 |
| SA6555-7 | 002WCENT04 |
| SA6555-8 | 002WEAST04 |
| SA6555-9 | 002WWEST04 |

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.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

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 Analysis

The samples of SDG NSA-029 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, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, 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 reports.

000002

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances.. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

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

**Wet Chemistry Analysis**

The samples of SDG NSA-029 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total organic carbon 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 holding times and all quality control criteria were met.

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

Leslie Dimond 12.4.07

Leslie Dimond
Quality Assurance Officer



P.O. Box 540, Scarborough, ME 04070 • Tel: (207) 874-2400 • Fax: (207) 775-4029 • 600 Technology Way, Scarborough, ME 04074
www.katahdinlab.com

# Katahdin Analytical Services, Inc.

## Manual Integration Codes For GC/MS, GC, HPLC and/or IC

| | |
|---|---|
| M1 | Peak splitting |
| M2 | Well defined peaks on the shoulders of the other peaks. |
| M3 | There is additional area due to a coeluting interferant |
| M4 | There are negative spikes in the baseline. |
| M5 | There are rising or falling baselines. |
| M6 | The software has failed to detect a peak or misidentified a peak. |
| M7 | Excessive peak tailing. |
| M8 | Analysis such as GRO, DRO and TPH require a baseline hold |
| M9 | Peak was not completely integrated as in GC/MS. |
| M10 | Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS. |
| M11 | For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated. |

**Katahdin Analytical Services, Inc.** **Sample Receipt Condition Report**

| | | |
|---|---|---|
| Client: Spectra Tech | KAS PM: ASC | Sampled By: Client |
| Project: | KIMS Entry By: DJ | Delivered By: FEDEX |
| KAS Work Order#: SA6555 | KIMS Review By: ML | Received By: DJ |
| SDG #: | Cooler: 1 of 1 | Date/Time Rec.: 110907 1000 |

| Receipt Criteria | Y | N | EX* | NA | Comments and/or Resolution |
|---|---|---|---|---|---|
| 1. Custody seals present / intact? | X | | | | |
| 2. Chain of Custody present in cooler? | X | | | | |
| 3. Chain of Custody signed by client? | X | | | | |
| 4. Chain of Custody matches samples? | X | | | | |
| 5. Temperature Blanks present? | X | | | | Temp (°C): 1.0 |
| 6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? Y or N | X | | | | Cooler temp. (°C): (if no temp blank) |
| 7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea | X | | | | |
| **Soil/Sediment:** Received in airtight container? | | | | X | |
| Received in methanol? | | | | X | |
| Methanol covering soil? | | | | X | |
| 8. Trip Blank present in cooler? | X | | | | |
| 9. Proper sample containers and volume? | X | | | | |
| 10. Samples within hold time upon receipt? | X | | | | |
| 11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 | X | | | | |
| Sulfide - >9 | | | | X | |
| Cyanide – pH >12 | | | | X | |
| 12. Corrective Action Report Filed? | | | | ✓ | |

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000005

Katahdin Analytical Services
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

# CHAIN of CUSTODY

**PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN**

Page ____ of ____

Client: Spectra Tech Inc
Contact: Paul GENTRY
Phone #: (865) 483 7210
Fax #: ( )
Address: 132 Jefferson ct.
City: OAK RIDGE
State: TN
Zip Code: 37830
Purchase Order #:
Proj. Name / No.: NSA Mid South
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Travis Watson
Copies To:

**LAB USE ONLY**
WORK ORDER #: SA0055
KATAHDIN PROJECT NUMBER ____

REMARKS: ____

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO: ____
TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

| * | Sample Description | Date / Time coll'd | Matrix | No. of Cntrs. | VOC Filt. ☐Y ☐N | TOC 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 002G25DA13 | 11/8/07 / 12:15 | GW | 5 | 3 | 2 | | | | | | | | | |
| | 002G24DA13 | 11/8/07 / 10:00 | GW | 5 | 3 | 2 | | | | | | | | | |
| | 002G03DA13 | 11/8/07 / 12:15 | GW | 5 | 3 | 2 | | | | | | | | | |
| | 002G28DA13 | 11/8/07 / 10:35 | GW | 5 | 3 | 2 | | | | | | | | | |
| | 002T110807 | 11/08/07 / 15:00 | W | 2 | 2 | 0 | | | | | | | | | |
| | 002G02DA13 | 11/08/07 / 14:00 | GW | 5 | 3 | 2 | | | | | | | | | |
| | 002WCENT04 | 11/08/07 / 13:35 | SW | 3 | 3 | | | | | | | | | | |
| | 002WEAST04 | 11/08/07 / 13:45 | SW | 3 | 3 | | | | | | | | | | |
| | 002WWEST04 | 11/08/07 / 13:40 | SW | 3 | 3 | | | | | | | | | | |
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COMMENTS

| Relinquished By: (Signature) | Date / Time | Received By: (Signature) | Relinquished By: (Signature) | Date / Time | Received By: (Signature) |
|---|---|---|---|---|---|
| Travis Watson | 11/9/07 15:00 | 11/09/07 1000 | | | |
| Relinquished By: (Signature) | Date / Time | Received By: (Signature) | Relinquished By: (Signature) | Date / Time | Received By: (Signature) |
| | | | | | 0000006 |

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

Katahdin
ANALYTICAL SERVICES

# Katahdin Analytical Services

## Login Chain of Custody Report (Ino1)

*Nov. 09, 2007*
*01:59 PM*



**Login Number: SA6555**

**Account:** SPECTRA001
Spectra Tech, Inc.

**Project:** SPECTRANSA001

NoWeb

### Login Information

| | |
|---|---|
| ANALYSIS INSTRUCTIONS | : |
| CHECK NO. | : |
| CLIENT PO# | : N62467-05-G |
| COOLER TEMPERATURE | : 1.0 |
| DELIVERY SERVICES | : FEDEX |
| EDD FORMAT | : KAS105QC-CSV |
| MAIL DATE | : |
| PM | : AJC |
| PROJECT NAME | : NSA Mid South |
| QC LEVEL | : IV |
| REGULATORY LIST | : NFESC |
| REPORT INSTRUCTIONS | : Rpt to MDL. Send copy of rpt & EDD on CD. |
| SDG ID | : NSA-029 |
| SDG STATUS | : Begin/END |

***Primary Report Address:***
Paul Gentry
Spectra Tech, Inc.
132 Jefferson Court

Oak Ridge,TN 37830

***Primary Invoice Address:***
Accounts Payable
Spectra Tech, Inc.
132 Jefferson Court

Oak Ridge,TN 37830

***Report CC Addresses:***
***Invoice CC Addresses:***

| Laboratory Sample ID | Client Sample Number | Collect Date/Time | Receive Date | PR | Verbal Date | Due Date | Comments |
|---|---|---|---|---|---|---|---|
| SA6555-1 | 002G25DA13 | 08-NOV-07 12:15 | 09-NOV-07 | | | 28-NOV-07 | |

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | E415.1-TOC | 06-DEC-07 | 40 mL Vial+H2SO4 | 2 |
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

| SA6555-2 | 002G24DA13 | 08-NOV-07 10:00 | 09-NOV-07 | | | 28-NOV-07 | |
|---|---|---|---|---|---|---|---|

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | E415.1-TOC | 06-DEC-07 | 40 mL Vial+H2SO4 | 2 |
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

| SA6555-3 | 002G03DA13 | 08-NOV-07 12:15 | 09-NOV-07 | | | 28-NOV-07 | |
|---|---|---|---|---|---|---|---|

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | E415.1-TOC | 06-DEC-07 | 40 mL Vial+H2SO4 | 2 |
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

| SA6555-4 | 002G28DA13 | 08-NOV-07 10:35 | 09-NOV-07 | | | 28-NOV-07 | |
|---|---|---|---|---|---|---|---|

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | E415.1-TOC | 06-DEC-07 | 40 mL Vial+H2SO4 | 2 |
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

| SA6555-5 | 002T110807 | 08-NOV-07 15:00 | 09-NOV-07 | | | 28-NOV-07 | |
|---|---|---|---|---|---|---|---|

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 2 |

| SA6555-6 | 002G02DA13 | 08-NOV-07 14:00 | 09-NOV-07 | | | 28-NOV-07 | |
|---|---|---|---|---|---|---|---|

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | E415.1-TOC | 06-DEC-07 | 40 mL Vial+H2SO4 | 2 |
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

| SA6555-7 | 002WCENT04 | 08-NOV-07 13:35 | 09-NOV-07 | | | 28-NOV-07 | |
|---|---|---|---|---|---|---|---|

| Matrix | | Product | Hold Date (shortest) | Bottle Type | Bottle Count |
|---|---|---|---|---|---|
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

000007

Katahdin
ANALYTICAL SERVICES

**Katahdin Analytical Services**

**Login Chain of Custody Report (lno1)**

*Nov. 09, 2007*

*01:59 PM*



**Login Number: SA6555**

**Account:** SPECTRA001 NoWeb

Spectra Tech, Inc.

**Project:** SPECTRANSA001

| Laboratory Sample ID | Client Sample Number | Collect Date/Time | Receive Date | PR | Verbal Date | Due Date | Comments |
|---|---|---|---|---|---|---|---|
| SA6555-8 | 002WEAST04 | 08-NOV-07 13:45 | 09-NOV-07 | | | 28-NOV-07 | |

| *Matrix* | | *Product* | *Hold Date (shortest)* | *Bottle Type* | *Bottle Count* |
|---|---|---|---|---|---|
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SA6555-9 | 002WWEST04 | 08-NOV-07 13:40 | 09-NOV-07 | | | 28-NOV-07 | |

| *Matrix* | | *Product* | *Hold Date (shortest)* | *Bottle Type* | *Bottle Count* |
|---|---|---|---|---|---|
| Aqueous | S | SW8260-LIB-SEARCH | | | |
| Aqueous | S | SW8260-S | 22-NOV-07 | 40mL Vial+HCl | 3 |

***Total Samples:*** *9* ***Total Analyses:*** *23*

0000008

# SAMPLE DATA SUMMARY PACKAGE

## KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

## KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS

**(Refer to BOD Qualifiers Page for BOD footnotes)**

| | |
|---|---|
| U | Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit. |
| E | Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. |
| J | Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL). |
| I-7 | The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis. |
| A-4 | Please refer to cover letter or narrative for further information. |
| MCL | Maximum Contaminant Level |
| NL | No limit |
| NFL | No Free Liquid Present |
| FLP | Free Liquid Present |
| NOD | No Odor Detected |
| H1 | Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory. |
| H2 | Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory. |
| H3 | Please note that the regulatory holding time for sulfite is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfite for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory. |
| H4 | Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory. |

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 15-NOV-2007 22:27
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-1
Client ID: 002G25DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | | 3 | 1.0 | 2 | 2 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 26 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 86 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | | 42 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 91% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 103% | | | | |
| 2037-26-5 | Toluene-D8 | | 90% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 94% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G25DA13

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-1

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

Lab File ID: T8343

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/15/07

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

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 15-NOV-2007 23:00
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-2
Client ID: 002G24DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | | 7 | 1.0 | 2 | 2 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 100 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | E | 520 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | | 35 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 93% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 104% | | | | |
| 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

002G24DA13

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-2

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

Lab File ID: T8344

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/15/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 19-NOV-2007 12:32
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-2DL2
Client ID: 002G24DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45882
Units: ug/l

| CAS# | Compound | Flags | Results | DF | PQL | Adj.PQL | Adj.MDL |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 10 | 5.0 | 2 | 10 | 3 |
| 75-01-4 | Vinyl chloride | J | 5 | 5.0 | 2 | 10 | 2 |
| 74-83-9 | Bromomethane | U | 10 | 5.0 | 2 | 10 | 5 |
| 75-00-3 | Chloroethane | U | 10 | 5.0 | 2 | 10 | 2 |
| 75-35-4 | 1,1-Dichloroethene | U | 5 | 5.0 | 1 | 5 | 2 |
| 75-15-0 | Carbon Disulfide | U | 5 | 5.0 | 1 | 5 | 3 |
| 75-09-2 | Methylene Chloride | U | 25 | 5.0 | 5 | 25 | 2 |
| 67-64-1 | Acetone | U | 25 | 5.0 | 5 | 25 | 13 |
| 156-60-5 | trans-1,2-Dichloroethene | | 100 | 5.0 | 1 | 5 | 2 |
| 75-34-3 | 1,1-Dichloroethane | U | 5 | 5.0 | 1 | 5 | 2 |
| 156-59-2 | cis-1,2-Dichloroethene | | 560 | 5.0 | 1 | 5 | 2 |
| 67-66-3 | Chloroform | U | 5 | 5.0 | 1 | 5 | 2 |
| 56-23-5 | Carbon Tetrachloride | U | 5 | 5.0 | 1 | 5 | 2 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 5 | 5.0 | 1 | 5 | 2 |
| 78-93-3 | 2-Butanone | U | 25 | 5.0 | 5 | 25 | 10 |
| 71-43-2 | Benzene | U | 5 | 5.0 | 1 | 5 | 2 |
| 107-06-2 | 1,2-Dichloroethane | U | 5 | 5.0 | 1 | 5 | 1 |
| 79-01-6 | Trichloroethene | | 34 | 5.0 | 1 | 5 | 3 |
| 78-87-5 | 1,2-Dichloropropane | U | 5 | 5.0 | 1 | 5 | 3 |
| 75-27-4 | Bromodichloromethane | U | 5 | 5.0 | 1 | 5 | 2 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 5 | 5.0 | 1 | 5 | 2 |
| 108-88-3 | Toluene | U | 5 | 5.0 | 1 | 5 | 2 |
| 108-10-1 | 4-methyl-2-pentanone | U | 25 | 5.0 | 5 | 25 | 8 |
| 127-18-4 | Tetrachloroethene | U | 5 | 5.0 | 1 | 5 | 2 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 5 | 5.0 | 1 | 5 | 1 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 5 | 5.0 | 1 | 5 | 2 |
| 124-48-1 | Dibromochloromethane | U | 5 | 5.0 | 1 | 5 | 2 |
| 591-78-6 | 2-Hexanone | U | 25 | 5.0 | 5 | 25 | 6 |
| 108-90-7 | Chlorobenzene | U | 5 | 5.0 | 1 | 5 | 2 |
| 100-41-4 | Ethylbenzene | U | 5 | 5.0 | 1 | 5 | 2 |
| 1330-20-7 | Xylenes (total) | U | 15 | 5.0 | 3 | 15 | 2 |
| | m+p-Xylenes | U | 10 | 5.0 | 2 | 10 | 5 |
| 95-47-6 | o-Xylene | U | 5 | 5.0 | 1 | 5 | 2 |
| 100-42-5 | Styrene | U | 5 | 5.0 | 1 | 5 | 1 |
| 75-25-2 | Bromoform | U | 5 | 5.0 | 1 | 5 | 2 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 5 | 5.0 | 1 | 5 | 2 |
| 1868-53-7 | Dibromofluoromethane | | 96% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 101% | | | | |
| 2037-26-5 | Toluene-D8 | | 89% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 92% | | | | |

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 15-NOV-2007 23:32
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-3
Client ID: 002G03DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | | 110 | 1.0 | 2 | 2 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | | 4 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | E | 700 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | E | 2500 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | E | 1800 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 96% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 108% | | | | |
| 2037-26-5 | Toluene-D8 | | 89% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 90% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G03DA13

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-3

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

Lab File ID: T8345

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/15/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 12:54
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-3DL
Client ID: 002G03DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45814
Units: ug/l

| CAS# | Compound | Flags | Results | DF | PQL | Adj.PQL | Adj.MDL |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 80 | 40 | 2 | 80 | 24 |
| 75-01-4 | Vinyl chloride | J | 76 | 40 | 2 | 80 | 17 |
| 74-83-9 | Bromomethane | U | 80 | 40 | 2 | 80 | 38 |
| 75-00-3 | Chloroethane | U | 80 | 40 | 2 | 80 | 20 |
| 75-35-4 | 1,1-Dichloroethene | U | 40 | 40 | 1 | 40 | 16 |
| 75-15-0 | Carbon Disulfide | U | 40 | 40 | 1 | 40 | 22 |
| 75-09-2 | Methylene Chloride | J | 57 | 40 | 5 | 200 | 16 |
| 67-64-1 | Acetone | U | 200 | 40 | 5 | 200 | 100 |
| 156-60-5 | trans-1,2-Dichloroethene | | 630 | 40 | 1 | 40 | 19 |
| 75-34-3 | 1,1-Dichloroethane | U | 40 | 40 | 1 | 40 | 16 |
| 156-59-2 | cis-1,2-Dichloroethene | | 2300 | 40 | 1 | 40 | 13 |
| 67-66-3 | Chloroform | U | 40 | 40 | 1 | 40 | 14 |
| 56-23-5 | Carbon Tetrachloride | U | 40 | 40 | 1 | 40 | 18 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 40 | 40 | 1 | 40 | 14 |
| 78-93-3 | 2-Butanone | U | 200 | 40 | 5 | 200 | 76 |
| 71-43-2 | Benzene | U | 40 | 40 | 1 | 40 | 16 |
| 107-06-2 | 1,2-Dichloroethane | U | 40 | 40 | 1 | 40 | 10 |
| 79-01-6 | Trichloroethene | | 1800 | 40 | 1 | 40 | 21 |
| 78-87-5 | 1,2-Dichloropropane | U | 40 | 40 | 1 | 40 | 22 |
| 75-27-4 | Bromodichloromethane | U | 40 | 40 | 1 | 40 | 12 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 40 | 40 | 1 | 40 | 18 |
| 108-88-3 | Toluene | U | 40 | 40 | 1 | 40 | 12 |
| 108-10-1 | 4-methyl-2-pentanone | U | 200 | 40 | 5 | 200 | 62 |
| 127-18-4 | Tetrachloroethene | U | 40 | 40 | 1 | 40 | 18 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 40 | 40 | 1 | 40 | 10 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 40 | 40 | 1 | 40 | 17 |
| 124-48-1 | Dibromochloromethane | U | 40 | 40 | 1 | 40 | 12 |
| 591-78-6 | 2-Hexanone | U | 200 | 40 | 5 | 200 | 46 |
| 108-90-7 | Chlorobenzene | U | 40 | 40 | 1 | 40 | 16 |
| 100-41-4 | Ethylbenzene | U | 40 | 40 | 1 | 40 | 16 |
| 1330-20-7 | Xylenes (total) | U | 120 | 40 | 3 | 120 | 15 |
| | m+p-Xylenes | U | 80 | 40 | 2 | 80 | 39 |
| 95-47-6 | o-Xylene | U | 40 | 40 | 1 | 40 | 15 |
| 100-42-5 | Styrene | U | 40 | 40 | 1 | 40 | 12 |
| 75-25-2 | Bromoform | U | 40 | 40 | 1 | 40 | 12 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 40 | 40 | 1 | 40 | 19 |
| 1868-53-7 | Dibromofluoromethane | | 102% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 120% | | | | |
| 2037-26-5 | Toluene-D8 | | 88% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 95% | | | | |

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 00:04
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-4
Client ID: 002G28DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | | 39 | 1.0 | 2 | 2 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | E | 300 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | E | 990 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | E | 460 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 95% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 106% | | | | |
| 2037-26-5 | Toluene-D8 | | 86% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 88% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G28DA13

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-4

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

Lab File ID: T8346

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/16/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 13:26
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-4DL
Client ID: 002G28DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45814
Units: ug/l

| CAS# | Compound | Flags | Results | DF | PQL | Adj.PQL | Adj.MDL |
|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | U | 20 | 10 | 2 | 20 | 6 |
| 75-01-4 | Vinyl chloride | | 30 | 10 | 2 | 20 | 4 |
| 74-83-9 | Bromomethane | U | 20 | 10 | 2 | 20 | 9 |
| 75-00-3 | Chloroethane | U | 20 | 10 | 2 | 20 | 5 |
| 75-35-4 | 1,1-Dichloroethene | U | 10 | 10 | 1 | 10 | 4 |
| 75-15-0 | Carbon Disulfide | U | 10 | 10 | 1 | 10 | 5 |
| 75-09-2 | Methylene Chloride | J | 20 | 10 | 5 | 50 | 4 |
| 67-64-1 | Acetone | U | 50 | 10 | 5 | 50 | 26 |
| 156-60-5 | trans-1,2-Dichloroethene | | 280 | 10 | 1 | 10 | 5 |
| 75-34-3 | 1,1-Dichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 990 | 10 | 1 | 10 | 3 |
| 67-66-3 | Chloroform | U | 10 | 10 | 1 | 10 | 4 |
| 56-23-5 | Carbon Tetrachloride | U | 10 | 10 | 1 | 10 | 4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 78-93-3 | 2-Butanone | U | 50 | 10 | 5 | 50 | 19 |
| 71-43-2 | Benzene | U | 10 | 10 | 1 | 10 | 4 |
| 107-06-2 | 1,2-Dichloroethane | U | 10 | 10 | 1 | 10 | 3 |
| 79-01-6 | Trichloroethene | | 450 | 10 | 1 | 10 | 5 |
| 78-87-5 | 1,2-Dichloropropane | U | 10 | 10 | 1 | 10 | 5 |
| 75-27-4 | Bromodichloromethane | U | 10 | 10 | 1 | 10 | 3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 10 | 10 | 1 | 10 | 4 |
| 108-88-3 | Toluene | U | 10 | 10 | 1 | 10 | 3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 50 | 10 | 5 | 50 | 15 |
| 127-18-4 | Tetrachloroethene | U | 10 | 10 | 1 | 10 | 5 |
| 10061-02-6 | trans-1,3-Dichloropropene | U | 10 | 10 | 1 | 10 | 2 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 10 | 10 | 1 | 10 | 4 |
| 124-48-1 | Dibromochloromethane | U | 10 | 10 | 1 | 10 | 3 |
| 591-78-6 | 2-Hexanone | U | 50 | 10 | 5 | 50 | 12 |
| 108-90-7 | Chlorobenzene | U | 10 | 10 | 1 | 10 | 4 |
| 100-41-4 | Ethylbenzene | U | 10 | 10 | 1 | 10 | 4 |
| 1330-20-7 | Xylenes (total) | U | 30 | 10 | 3 | 30 | 4 |
| | m+p-Xylenes | U | 20 | 10 | 2 | 20 | 10 |
| 95-47-6 | o-Xylene | U | 10 | 10 | 1 | 10 | 4 |
| 100-42-5 | Styrene | U | 10 | 10 | 1 | 10 | 3 |
| 75-25-2 | Bromoform | U | 10 | 10 | 1 | 10 | 3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 10 | 10 | 1 | 10 | 5 |
| 1868-53-7 | Dibromofluoromethane | | 100% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 116% | | | | |
| 2037-26-5 | Toluene-D8 | | 89% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 96% | | | | |

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 15-NOV-2007 19:14
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-5
Client ID: 002T110807
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | J | 2 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 89% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 94% | | | | |
| 2037-26-5 | Toluene-D8 | | 89% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 87% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002T110807

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-5

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

Lab File ID: T8337

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/15/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|---|
| 1. | | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 11:50
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-6RA
Client ID: 002G02DA13
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45814
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 | | 3 | 1.0 | 2 | 2 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | | 6 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | | 32 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | | 21 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 103% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 118% | | | | |
| 2037-26-5 | Toluene-D8 | | 93% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 98% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002G02DA13

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-6RA

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

Lab File ID: T8362

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/16/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 11:18
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-7RA
Client ID: 002WCENT04
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45814
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 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 102% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 116% | | | | |
| 2037-26-5 | Toluene-D8 | | 92% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 98% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002WCENT04

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-7RA

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

Lab File ID: T8361

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/16/07

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

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

| | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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| 1. | | | | | |
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 01:40
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-8
Client ID: 002WEAST04
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 102% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 109% | | | | |
| 2037-26-5 | Toluene-D8 | | 92% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 95% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002WEAST04

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-8

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

Lab File ID: T8349

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/16/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
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FORM I VOA-TIC

# KATAHDIN ANALYTICAL SERVICES
## Report of Analytical Results

Client: Spectra Tech, Inc.
Project: NSA Mid South
PO No:
Sample Date: 11/08/07
Received Date: 11/09/07
Extraction Date:
Analysis Date: 16-NOV-2007 02:13
Report Date: 11/29/2007
Matrix: WATER
% Solids: NA

Lab ID: SA6555-9
Client ID: 002WWEST04
SDG: NSA-029
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG45783
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 | 0.4 |
| 74-83-9 | Bromomethane | U | 2 | 1.0 | 2 | 2 | 0.9 |
| 75-00-3 | Chloroethane | U | 2 | 1.0 | 2 | 2 | 0.5 |
| 75-35-4 | 1,1-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 75-15-0 | Carbon Disulfide | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-09-2 | Methylene Chloride | U | 5 | 1.0 | 5 | 5 | 0.4 |
| 67-64-1 | Acetone | U | 5 | 1.0 | 5 | 5 | 3 |
| 156-60-5 | trans-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-34-3 | 1,1-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 156-59-2 | cis-1,2-Dichloroethene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 67-66-3 | Chloroform | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 56-23-5 | Carbon Tetrachloride | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 78-93-3 | 2-Butanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 71-43-2 | Benzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 107-06-2 | 1,2-Dichloroethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-01-6 | Trichloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 78-87-5 | 1,2-Dichloropropane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 75-27-4 | Bromodichloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 10061-01-5 | cis-1,3-dichloropropene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 108-88-3 | Toluene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 108-10-1 | 4-methyl-2-pentanone | U | 5 | 1.0 | 5 | 5 | 2 |
| 127-18-4 | Tetrachloroethene | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 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 | 0.4 |
| 124-48-1 | Dibromochloromethane | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 591-78-6 | 2-Hexanone | U | 5 | 1.0 | 5 | 5 | 1 |
| 108-90-7 | Chlorobenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-41-4 | Ethylbenzene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 1330-20-7 | Xylenes (total) | U | 3 | 1.0 | 3 | 3 | 0.4 |
| | m+p-Xylenes | U | 2 | 1.0 | 2 | 2 | 1.0 |
| 95-47-6 | o-Xylene | U | 1 | 1.0 | 1 | 1 | 0.4 |
| 100-42-5 | Styrene | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 75-25-2 | Bromoform | U | 1 | 1.0 | 1 | 1 | 0.3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1 | 1.0 | 1 | 1 | 0.5 |
| 1868-53-7 | Dibromofluoromethane | | 95% | | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | | 107% | | | | |
| 2037-26-5 | Toluene-D8 | | 90% | | | | |
| 460-00-4 | P-Bromofluorobenzene | | 92% | | | | |

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

002WWEST04

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: NSA MID SOUTH

SDG No.: NSA-029

Matrix: (soil/water) WATER

Lab Sample ID: SA6555-9

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

Lab File ID: T8350

Level: (low/med) LOW

Date Received: 11/09/07

% Moisture: not dec. _____

Date Analyzed: 11/16/07

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
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FORM I VOA-TIC

Katahdin
ANALYTICAL SERVICES

nelac
Cert No E87604

# Report of Analytical Results

**Client:** Paul Gentry
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA6555-1
**Report Date:** 28-NOV-07
**Client PO:** N62467-05-G
**Project:** NSA Mid South
**SDG:** NSA-029

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G25DA13 | AQ | 08-NOV-07 | 09-NOV-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 1.4 mg/L | 1 | EPA 415.1 | WG45647 | 13-NOV-07 01:52:13 | N/A | N/A | AMB | |

Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

Client: Paul Gentry
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

Lab Sample ID: SA6555-2
Report Date: 28-NOV-07
Client PO: N62467-05-G
Project: NSA Mid South
SDG: NSA-029

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G24DA13 | AQ | 08-NOV-07 | 09-NOV-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 3.0 mg/L | 1 | EPA 415.1 | WG45647 | 13-NOV-07 02:05:55 | N/A | N/A | AMB | |

Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Paul Gentry
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA6555-3
**Report Date:** 28-NOV-07
**Client PO:** N62467-05-G
**Project:** NSA Mid South
**SDG:** NSA-029

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G03DA13 | AQ | 08-NOV-07 | 09-NOV-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 1.7 mg/L | 1 | EPA 415.1 | WG45647 | 13-NOV-07 02:19:34 | N/A | N/A | AMB | |

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

Katahdin
ANALYTICAL SERVICES

Cert No E87694

# Report of Analytical Results

**Client:** Paul Gentry
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA6555-4
**Report Date:** 28-NOV-07
**Client PO:** N62467-05-G
**Project:** NSA Mid South
**SDG:** NSA-029

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G28DA13 | AQ | 08-NOV-07 | 09-NOV-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 1.9 mg/L | 1 | EPA 415.1 | WG45647 | 13-NOV-07 02:33:10 | N/A | N/A | AMB | |

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http://katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

# Report of Analytical Results

**Client:** Paul Gentry
Spectra Tech, Inc.
132 Jefferson Court
Oak Ridge,TN 37830

**Lab Sample ID:** SA6555-6
**Report Date:** 28-NOV-07
**Client PO:** N62467-05-G
**Project:** NSA Mid South
**SDG:** NSA-029

| Sample Description | Matrix | Date Sampled | Date Received |
|---|---|---|---|
| 002G02DA13 | AQ | 08-NOV-07 | 09-NOV-07 |

| Parameter | Result | Adj PQL | Anal. Method | QC.Batch | Anal. Date | Prep. Method | Prep. Date | Analyst | Footnotes |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | 1.1 mg/L | 1 | EPA 415.1 | WG45647 | 13-NOV-07 02:46:38 | N/A | N/A | AMB | |

# Appendix B
# VOC and Geochemical Results

**Table B-1**
**VOC Results During Interim Measures**
**SWMU-2 NSA-Midsouth**

| Monitoring Well | Constituent | Concentration (µg/L) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Jul-01 | Jan-02 | Jul-02 | Sep-05 | May-06 | May-07 | Nov-07 |
| 002G01DA | TCE | 5 | 1 | 1 | NS | NS | NS | NS |
| | cis-1,2-DCE | 5 | 1 | 1 | NS | NS | NS | NS |
| | VC | 5 | 1 | 1 | NS | NS | NS | NS |
| 002G02DA | TCE | 7 | 2 | 11 | 130 | 50 | 13 | 21 |
| | cis-1,2-DCE | 5 | 2 | 10 | 250 | 80 | 17 | 32 |
| | VC | 5 | 1 | 0.5 | 38 | 8 | 2 J | 3 |
| 002G03DA | TCE | 520 | 280 | 590 | 1500 | 1800 | 2100 | 1800 |
| | cis-1,2-DCE | 800 | 550 | 830 | 2200 | 2300 | 2500 | 2300 |
| | VC | 5 | 26 | 22 | 94 | 84 | 110 | 110 |
| 002G24DA | TCE | 140 | 110 | 200 | 130 | 130 | 190 | 35 |
| | cis-1,2-DCE | 250 | 350 | 740 | 750 | 760 | 1100 | 560 |
| | VC | 5 | 14 | 16 | 21 | 19 | 32 | 7 |
| 002G25DA | TCE | 38 | 15 | 25 | 60 | 90 | 52 | 42 |
| | cis-1,2-DCE | 110 | 39 | 59 | 140 | 160 | 100 | 86 |
| | VC | 1 | 2 | 2 | 7 | 6 | 4 | 3 |
| 002G26DA | TCE | 5 | 7 | 1 | 1 | 0.4 | NS | 1 U |
| | cis-1,2-DCE | 5 | 35 | 1 | 1 | 1 | NS | 1 U |
| | VC | 5 | 1 | 1 | 2 | 0.6 | NS | 2 U |
| 002G27DA | TCE | 5 | 0.8 | 1 | 0.4 | 0.4 | NS | NS |
| | cis-1,2-DCE | 5 | 1 | 1 | 0.7 | 0.5 | NS | NS |
| | VC | 5 | 1 | 1 | 2 | 0.6 | NS | NS |
| 002G28DA | TCE | 74 | 21 | 97 | 290 | 400 | 540 | 450 |
| | cis-1,2-DCE | 150 | 71 | 430 | 840 | 810 | 960 | 990 |
| | VC | 5 | 2 | 11 | 42 | 25 | 35 | 39 |

***Notes:***

| | |
|---|---|
| µg/L | micrograms per liter |
| U | Not detected |
| J | Estimated |

**Table B-2**
**Ge chemical Results**
**SWMU-2 NSA Midsouth**

| Parameter | Date | Monitoring Wells | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 002G01DA | 002G02DA | 002G03DA | 002G24DA | 002G25DA | 002G26DA | 002G27DA | 002G28DA |
| Dissolved Oxygen (mg/L) | Jul-01 | 7.5 | 2.66 | 5.19 | 5.2 | 3.07 | 2.5 | 5.56 | 2.77 |
| | Jan-02 | 8.91 | 0.31 | 0.26 | 2.02 | 0.37 | 2.9 | 0.34 | 5.91 |
| | Jul-02 | 0.44 | 0.18 | 0.59 | 1.05 | 0.74 | 4.59 | 0.22 | 1.22 |
| | Sep-05 | NS | .0.59 | 1.33 | 3.09 | 0.85 | 0.58 | 0.37 | 1.29 |
| | May-06 | NS | 0.68 | 0.65 | 0.99 | 1 | 0.92 | 0.75 | 1.48 |
| | May-07 | NS | 0.81 | 0.85 | 0.77 | 2.14 | NS | NS | 1.93 |
| | Nov-07 | NS | 4.57* | 1.6 | 8.81* | 2.44 | 0.50 | NS | 1.07 |
| ORP (mV) | Jul-01 | 16 | -33 | -53 | -53 | -72 | -61 | -45 | -17 |
| | Jan-02 | -5 | -48 | -117 | -51 | -99 | -72 | -76 | -94 |
| | Jul-02 | 41 | -45 | -96 | 2 | -63 | 40 | -41 | -105 |
| | Sep-05 | NS | -130.1 | -128.3 | -64.9 | -129.9 | -108.4 | -100 | -84.7 |
| | May-06 | NS | -51.7 | -90.3 | -83.6 | -87.5 | -72 | -64.5 | -105 |
| | May-07 | NS | -83.6 | -112.6 | -88.4 | -251.2 | NS | NS | -95.6 |
| | Nov-07 | NS | -51 | -127 | -109 | -140 | -97 | NS | -152 |
| Hydrogen (nM) | Jul-01 | 2.5 | 2.6 | 2.3 | 2.7 | 2.7 | 7.4 | 7.1 | 2.8 |
| | Jan-02 | 1.8 | 2 | 1.4 | 8.2 | 4.2 | 2.5 | 3.4 | 1.8 |
| | Jul-02 | 1.7 | 1.7 | 1.4 | 2.1 | 1.6 | 2 | 1.8 | 2.6 |
| | Sep-05 | NS | 3.9 | 6 | 4.2 | 4.5 | 4.3 | 5.7 | 5 |
| | May-06 | NS | 34 | 3.8 | 10 | 11 | 11 | 15 | 22 |
| | May-07 | NS | 1.7 | 2.3 | 1.8 | 1.4 | NS | NS | 2.7 |
| | Nov-07 | NS | 1.7 | 4.6 | 1.9 | 2.4 | NS | NS | 1.7 |
| Methane (µg/L) | Jul-01 | 0.0 | 4 | 450 | 48 | 190 | 23 | 46 | 720 |
| | Jan-02 | 0.0 | 18 | 2700 | 930 | 1900 | 28 | 27 | 2300 |
| | Jul-02 | 10 | 60 | 2200 | 2200 | 1200 | 84 | 16 | 2000 |
| | Sep-05 | NS | 480 | 2600 | 1200 | 670 | 77 | 16 | 1500 |
| | May-06 | NS | 210 | 2700 | 2100 | 730 | 0.058 | 15 | 1800 |
| | May-07 | NS | 39 | 2300 | 2000 | 550 | NS | NS | 280 |
| | Nov-07 | NS | 46 | 2100 | 110 | 350 | NS | NS | 240 |
| Alkalinity (mg/L) | Jul-01 | 163 | 248 | 353 | 336 | 328 | 263 | 244 | 300 |
| | Jan-02 | 181 | 236 | 340 | 320 | 324 | 244 | 236 | 314 |
| | Jul-02 | 164 | 279 | 340 | 320 | 318 | 242 | 234 | 311 |
| | Sep-05 | NS | 420 | 320 | 360 | 320 | 320 | 260 | 360 |
| | May-06 | NS | 240 | 320 | 360 | 320 | 220 | 240 | 340 |
| | May-07 | NS | 220 | 380 | 320 | 320 | NS | NS | 320 |
| | Nov-07 | NS | 260 | 360 | 300 | 300 | NS | NS | 320 |
| Chloride (mg/L) | Jul-01 | 2.6 | 12.6 | 22.2 | 15.7 | 15.5 | 4.4 | 4.1 | 7.5 |
| | Jan-02 | 4 | 8.3 | 21.3 | 15.7 | 15.9 | 4.6 | 4.1 | 10.8 |
| | Jul-02 | 3.1 | 25.3 | 20.9 | 17.2 | 17.9 | 4.4 | 3.8 | 11.6 |
| | Sep-05 | NS | 65 | 55 | 25 | 20 | 10 | 10 | 20 |
| | May-06 | NS | 30 | 40 | 30 | 25 | 10 | 10 | 25 |
| | May-07 | NS | 20 | 72 | 35 | 20 | NS | NS | 30 |
| | Nov-07 | NS | 20 | 45 | 30 | 20 | NS | NS | 20 |
| Ferrous Iron (mg/L) | Jul-01 | 1.86 | 0.07 | 0.05 | 0.07 | 2.77 | 2.12 | 2.8 | 0.1 |
| | Jan-02 | NA | 3 | 4.4 | 2.38 | 0 | 2.19 | 2.68 | 2.92 |
| | Jul-02 | 2.62 | 3.26 | 4.26 | 3.34 | 2.64 | 3.64 | 2.8 | 4.18 |
| | Sep-05 | NS | 6.1 | 4 | 3.01 | 4.68 | 4.5 | 3.08 | 5.46 |
| | May-06 | NS | 5.64 | 6 | 4.68 | 3.29 | 2.96 | 2.08 | 5.2 |
| | May-07 | NS | 2.8 | 4.96 (1) | 2.82 | 2.62 | NS | NS | 10.88 (2) |
| | Nov-07 | NS | 1.26 | 5.98 (1) | 0.11 | 3.19 | NS | NS | 6.16 (1) |
| TOC (mg/L) | Jul-01 | 1.1 | 2.2 | 2.7 | 4.5 | 1.7 | 1.6 | 1.0 U | 4.3 |
| | Jan-02 | 7.7 | 2.3 | 12.6 | 17.4 | 17.1 | 12 | 13.1 | 14.9 |
| | Jul-02 | 4.9 | 6.9 | 9 | 9.6 | 5.5 | 4.3 | 4.3 | 7.4 |
| | Sep-05 | NS | 3.2 | 2 | 2.8 | 1.3 | 1 | 4.9 | 2.2 |
| | May-06 | NS | 1.4 | 1.6 | 2.3 | 1.2 | 1.0 U | 1.2 | 1.7 |
| | May-07 | NS | 1.6 | 2.5 | 3.2 | 1.3 | NS | NS | 2.3 |
| | Nov-07 | NS | 1.1 | 1.7 | 3 | 1.4 | NS | NS | 1.9 |

***Notes:***

* Erroneous reading

NS Not Sampled

( ) Number of times sample was diluted